

Data File : VU034469.D
Acq On : 11 Sep 2019 11:07
Operator : JC/SP
Sample : VSTDIC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Quant Time: Sep 12 02:11:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U091119DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Sep 12 02:05:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.72	96	65024	1.00	ug/l	0.00

System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.29	95	25255	1.00	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.00%	
68) 1,2-Dichlorobenzene-d4	11.84	152	27129	1.03	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.00%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.21	85	114732	4.329 ug/l	100
3) Chloromethane	1.33	50	125922	4.317 ug/l	100
4) Vinyl Chloride	1.40	62	126507	3.936 ug/l	99
5) Bromomethane	1.62	94	68179	3.400 ug/l	97
6) Chloroethane	1.69	64	74071	3.405 ug/l	99
7) Trichlorofluoromethane	1.88	101	156909	3.606 ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	83401	3.682 ug/l	99
9) 1,1-Dichloroethene	2.28	96	85080	3.810 ug/l	98
10) Iodomethane	2.40	142	91407	3.132 ug/l	98
11) Allyl Chloride	2.58	41	140200	3.807 ug/l	100
12) Acrylonitrile	2.93	53	35680	5.887 ug/l	98
13) Acetone	2.31	43	71402	13.752 ug/l	99
14) Carbon Disulfide	2.47	76	296545	3.523 ug/l	100
15) Methylene Chloride	2.69	84	94035	3.151 ug/l	99
16) trans-1,2-Dichloroethene	2.96	96	94888	3.600 ug/l	100
17) 1,1-Dichloroethane	3.42	63	183702	4.937 ug/l	99
18) 2-Butanone	4.26	43	110747	21.488 ug/l	99
19) Cyclohexane	4.97	56	129583	4.686 ug/l	89
20) Methylcyclohexane	6.39	83	150205	5.393 ug/l	97
21) 2,2-Dichloropropane	4.20	77	144676	4.578 ug/l	100
22) cis-1,2-Dichloroethene	4.20	96	104677	4.989 ug/l	100
23) Diethyl Ether	2.10	59	64214	3.404 ug/l	99
24) tert-Butyl Alcohol	2.82	59	70238	24.507 ug/l	99
25) Methyl tert-Butyl Ether	2.99	73	205399	3.271 ug/l	99
26) Bromochloromethane	4.52	128	44360	4.852 ug/l	99
27) Chloroform	4.65	83	180135	4.302 ug/l	99
28) 1,1,1-Trichloroethane	4.89	97	149503	4.618 ug/l	99
29) 1,1-Dichloropropene	5.11	75	132578	4.930 ug/l	98
30) Carbon Tetrachloride	5.11	117	133963	4.684 ug/l	99
31) Isopropyl Ether	3.56	45	263154	5.476 ug/l	99
32) Ethyl-t-butyl ether	4.05	59	223963	4.957 ug/l	99
33) Tert-Amyl methyl ether	5.56	73	193072	4.840 ug/l	100
34) Propionitrile	4.31	54	35865	24.617 ug/l #	95
35) Benzene	5.37	78	396355	5.074 ug/l	98
36) 1,2-Dichloroethane	5.39	62	99979	3.989 ug/l	100
37) Trichloroethene	6.16	130	107116	5.138 ug/l	96
38) 1,2-Dichloropropane	6.41	63	103606	4.839 ug/l	100
39) Methacrylonitrile	4.53	41	25931	4.428 ug/l	97
40) Methyl acrylate	4.41	55	38983	4.288 ug/l	99
41) Tetrahydrofuran	4.63	42	27524	9.413 ug/l	96
42) 1-Chlorobutane	5.04	56	181620	5.004 ug/l	98

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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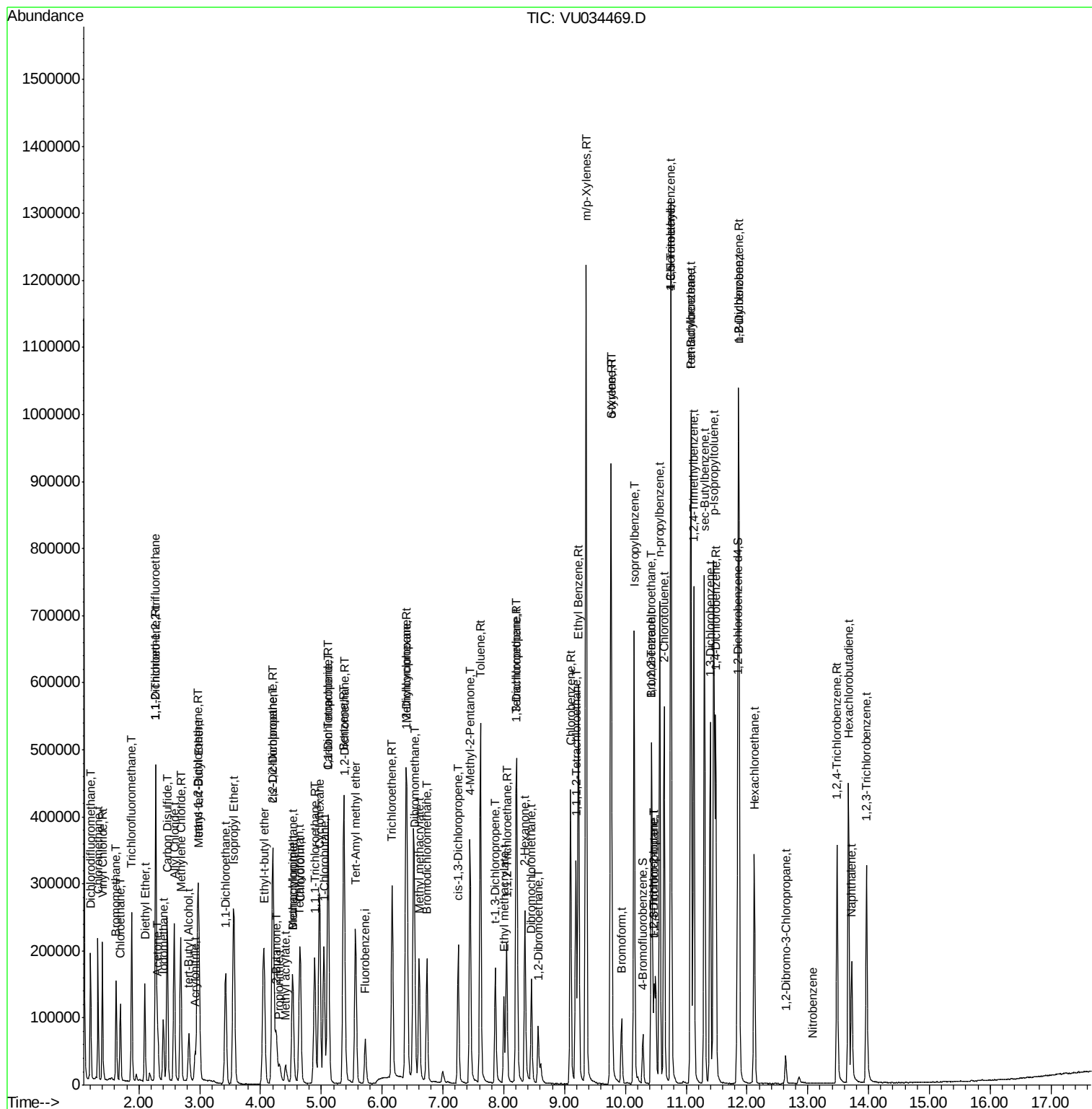
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.54	93	47735	4.145	ug/l	98
44) Bromodichloromethane	6.74	83	122623	4.350	ug/l	99
45) 4-Methyl-2-Pentanone	7.44	43	250640	21.430	ug/l	100
46) t-1,4-Dichloro-2-butene	10.47	75	52251	11.279	ug/l #	78
47) Methyl methacrylate	6.61	69	80261	9.114	ug/l	98
48) Ethyl methacrylate	8.00	69	71390	4.572	ug/l	100
49) Toluene	7.62	92	239031	5.342	ug/l	99
50) t-1,3-Dichloropropene	7.86	75	103212	4.420	ug/l	99
51) cis-1,3-Dichloropropene	7.25	75	128772	4.595	ug/l	99
52) 1,1,2-Trichloroethane	8.05	97	68531	4.434	ug/l	95
53) 1,3-Dichloropropane	8.22	76	113824	4.347	ug/l	98
54) 2-Hexanone	8.35	43	173542	21.156	ug/l	97
55) Dibromochloromethane	8.46	129	82961	4.555	ug/l	99
56) 1,2-Dibromoethane	8.57	107	60305	4.192	ug/l	99
58) Tetrachloroethene	8.21	164	103398	5.439	ug/l	99
59) Chlorobenzene	9.10	112	258694	5.057	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.19	131	93845	4.836	ug/l	99
61) Pentachloroethane	11.08	117	75876	4.787	ug/l	96
62) Hexachloroethane	12.12	117	67837	4.486	ug/l	95
63) Ethyl Benzene	9.23	91	423541	5.152	ug/l	100
64) m/p-Xylenes	9.35	106	355699	10.795	ug/l	100
65) o-Xylene	9.76	106	165144	5.236	ug/l	99
66) Styrene	9.77	104	289413	5.435	ug/l	100
67) Bromoform	9.94	173	46458	4.670	ug/l	99
69) Isopropylbenzene	10.14	105	436484	5.383	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.43	83	85883	4.202	ug/l	99
71) 1,2,3-Trichloropropane	10.47	75	52251	3.298	ug/l #	87
72) Bromobenzene	10.43	156	113710	5.301	ug/l	100
73) n-propylbenzene	10.57	120	127594	5.509	ug/l	99
74) 2-Chlorotoluene	10.64	126	114653	5.454	ug/l	99
75) 1,3,5-Trimethylbenzene	10.75	105	405477	5.592	ug/l	98
76) 4-Chlorotoluene	10.75	126	119488	5.488	ug/l	94
77) tert-Butylbenzene	11.08	119	373559	5.384	ug/l	99
78) 1,2,4-Trimethylbenzene	11.12	105	410455	5.548	ug/l	99
79) sec-Butylbenzene	11.30	105	513047	5.424	ug/l	100
80) Nitrobenzene	13.08	77	253	0.306	ug/l	94
81) p-Isopropyltoluene	11.45	119	437137	5.653	ug/l	100
82) 1,3-Dichlorobenzene	11.40	146	237636	5.227	ug/l	99
83) 1,4-Dichlorobenzene	11.49	146	237508	5.292	ug/l	99
84) n-Butylbenzene	11.87	91	396241	5.083	ug/l	99
85) 1,2-Dichlorobenzene	11.85	146	213768	5.046	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.64	75	11821	3.726	ug/l	97
87) 1,2,4-Trichlorobenzene	13.48	180	127807	5.061	ug/l	99
88) Hexachlorobutadiene	13.67	225	91802	5.682	ug/l	99
89) Naphthalene	13.72	128	164449	3.959	ug/l	99
90) 1,2,3-Trichlorobenzene	13.97	180	118751	4.873	ug/l	99

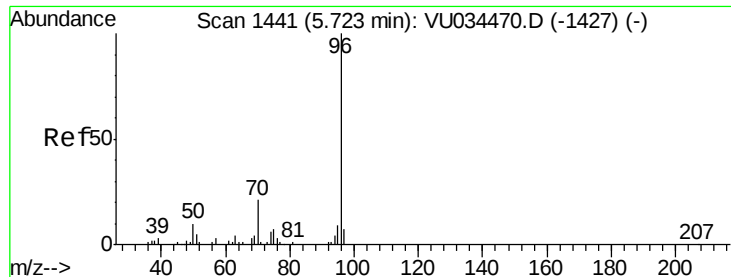
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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QLast Update : Thu Sep 12 02:05:08 2019
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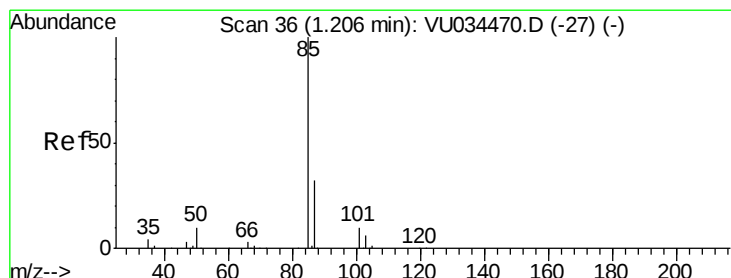
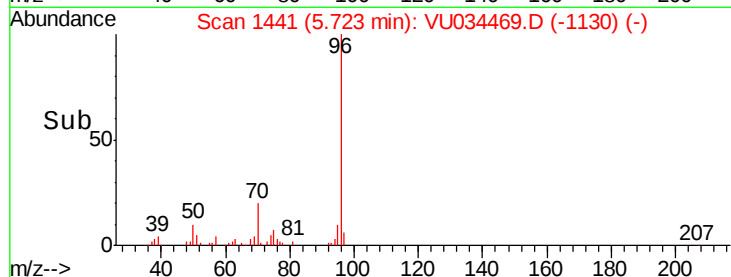
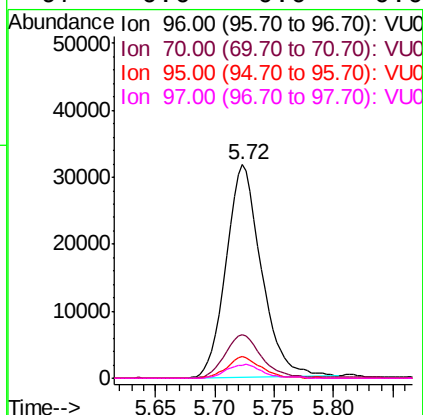
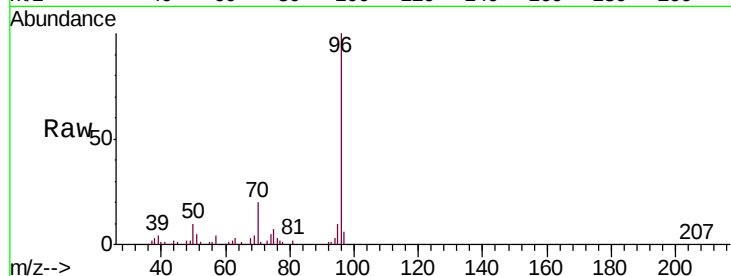




#1
 Fluorobenzene
 Concen: 1.000 ug/l
 RT: 5.72 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VU034469.D
 Acq: 11 Sep 2019 11:07

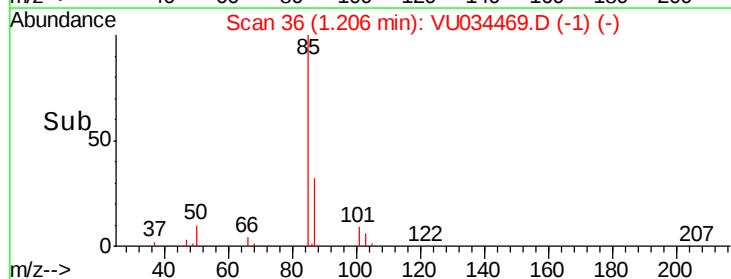
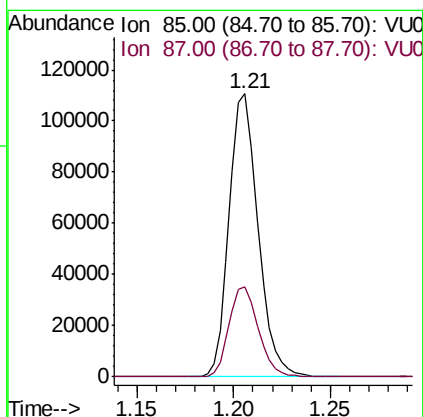
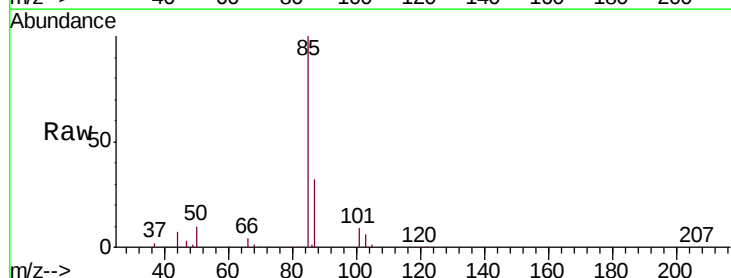
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

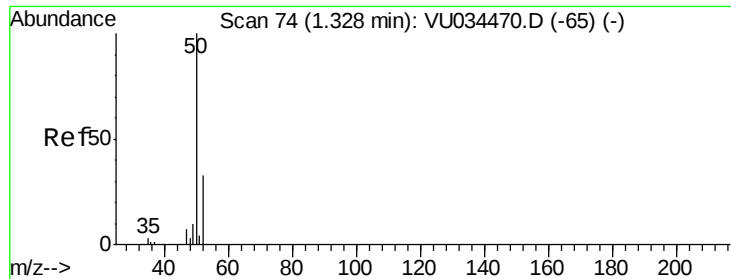
Tgt Ion:	96	Resp:	65024
Ion	Ratio	Lower	Upper
96	100		
70	20.7	16.5	24.7
95	9.8	7.0	10.6
97	6.6	0.0	0.0#



#2
 Dichlorodifluoromethane
 Concen: 4.329 ug/l
 RT: 1.21 min Scan# 36
 Delta R.T. -0.00 min
 Lab File: VU034469.D
 Acq: 11 Sep 2019 11:07

Tgt Ion:	85	Resp:	114732
Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.1	48.3





#3

Chloromethane

Concen: 4.317 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU034469.D

Acq: 11 Sep 2019 11:07

Instrument :

MSVOA_U

ClientSampleId :

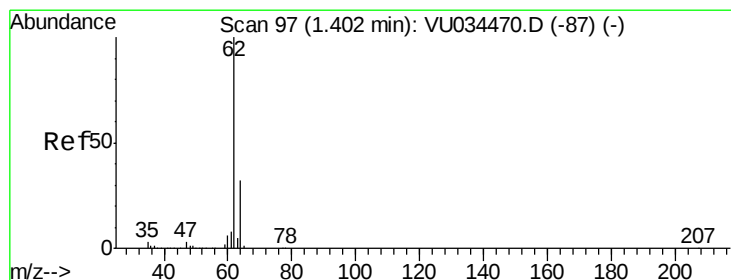
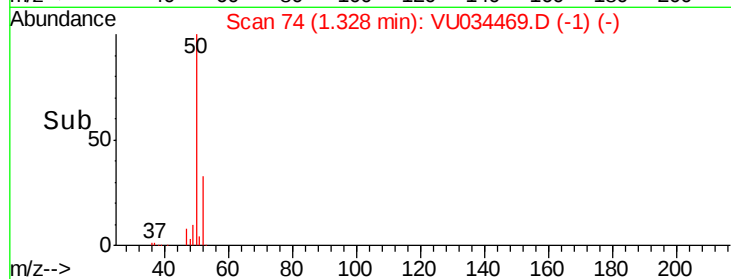
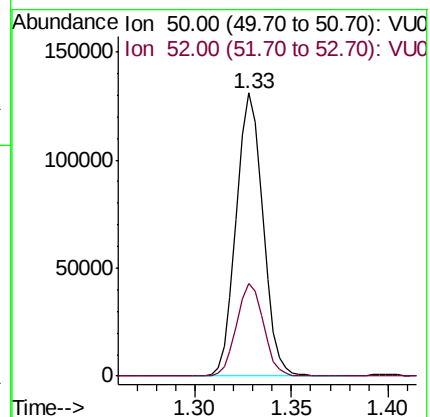
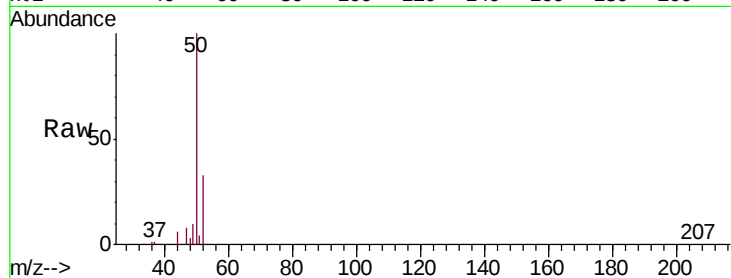
VSTDIC005

Tgt Ion: 50 Resp: 125922

Ion Ratio Lower Upper

50 100

52 32.8 26.2 39.4



#4

Vinyl Chloride

Concen: 3.936 ug/l

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU034469.D

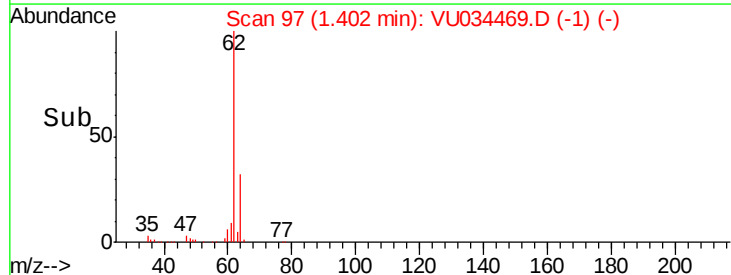
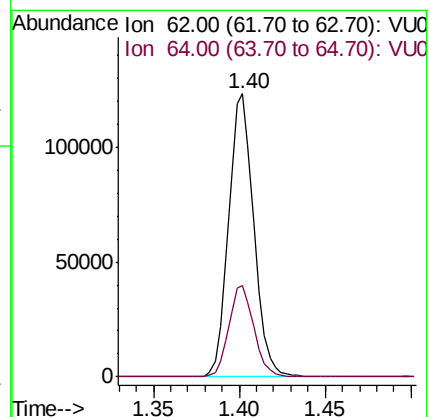
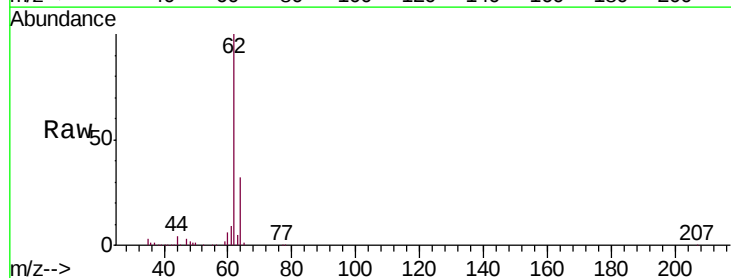
Acq: 11 Sep 2019 11:07

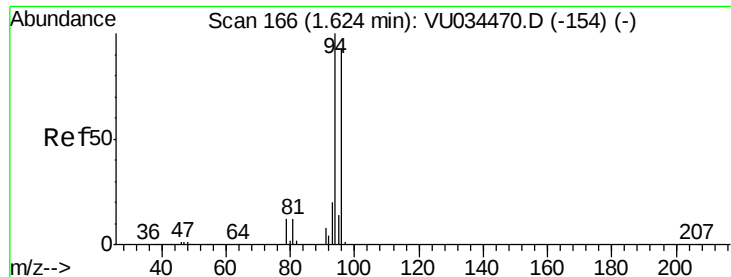
Tgt Ion: 62 Resp: 126507

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.0





#5

Bromomethane

Concen: 3.400 ug/l

RT: 1.62 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU034469.D

Acq: 11 Sep 2019 11:07

Instrument :

MSVOA_U

ClientSampleId :

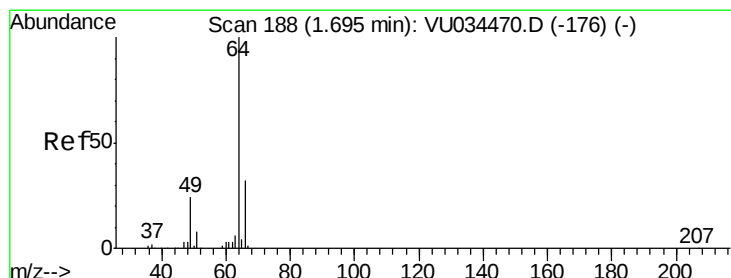
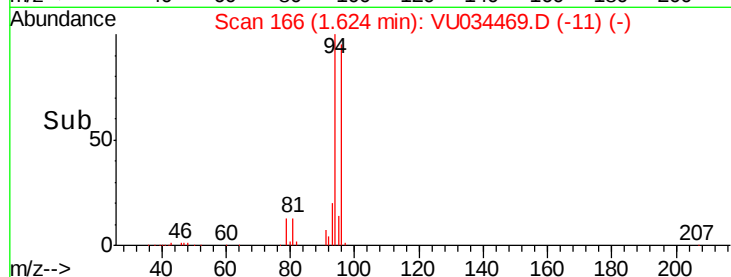
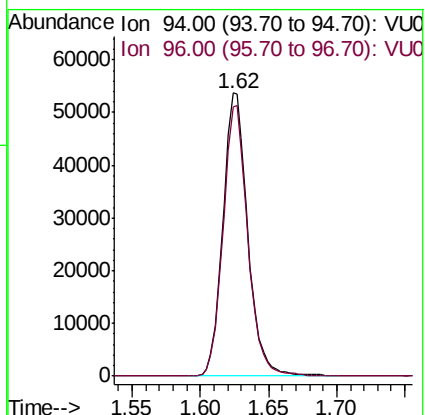
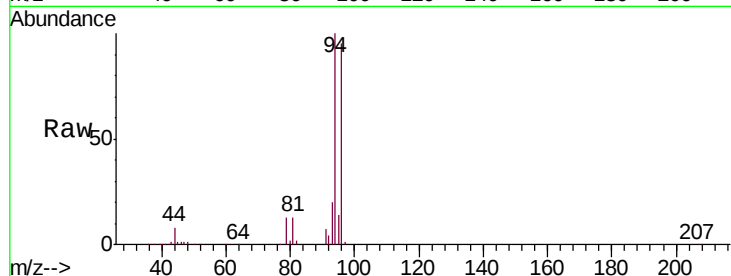
VSTDIC005

Tgt Ion: 94 Resp: 68179

Ion Ratio Lower Upper

94 100

96 95.1 73.8 110.8



#6

Chloroethane

Concen: 3.405 ug/l

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU034469.D

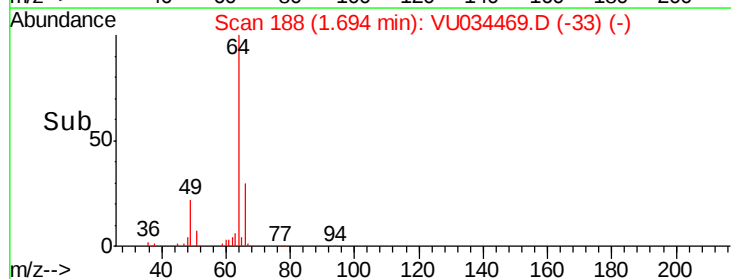
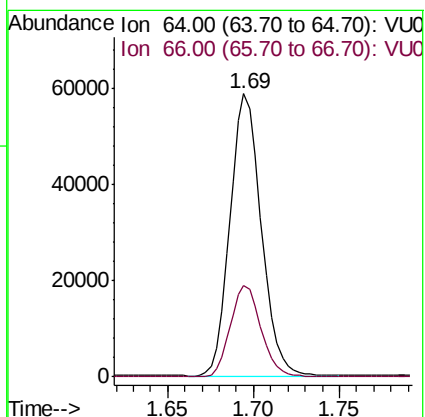
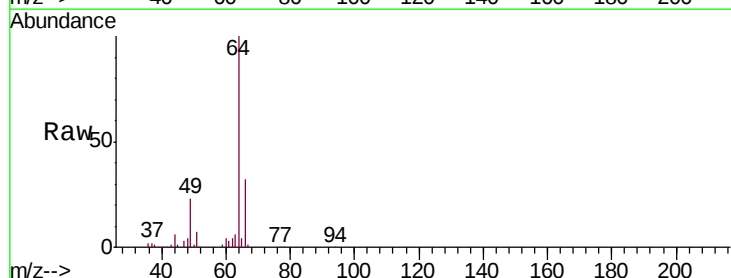
Acq: 11 Sep 2019 11:07

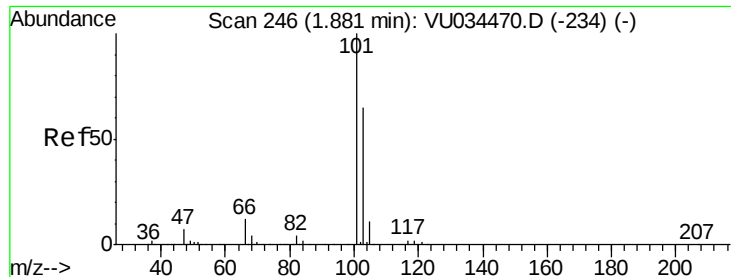
Tgt Ion: 64 Resp: 74071

Ion Ratio Lower Upper

64 100

66 32.6 25.8 38.8



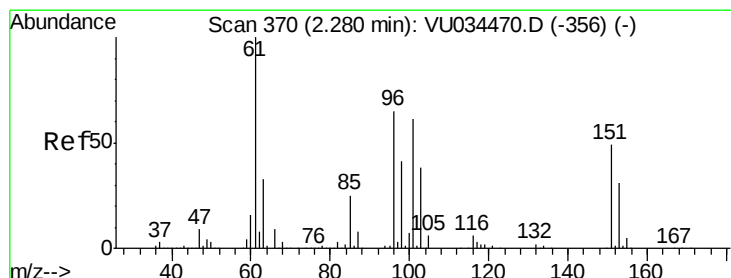
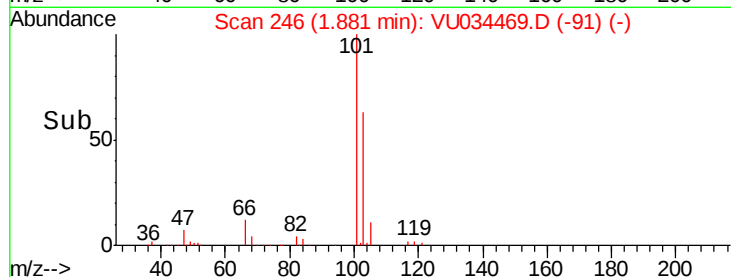
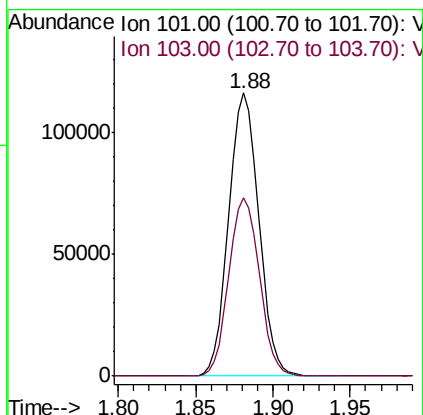
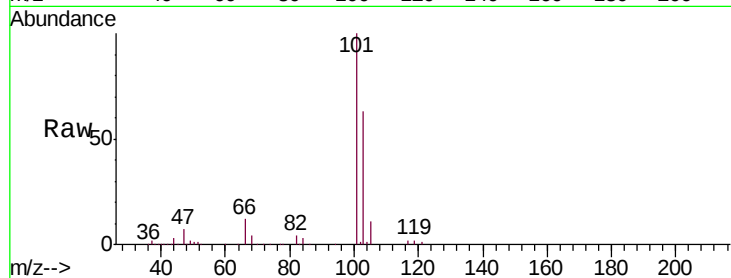


#7

Trichlorofluoromethane
 Concen: 3.606 ug/l
 RT: 1.88 min Scan# 246
 Delta R.T. -0.00 min
 Lab File: VU034469.D
 Acq: 11 Sep 2019 11:07

Instrument :
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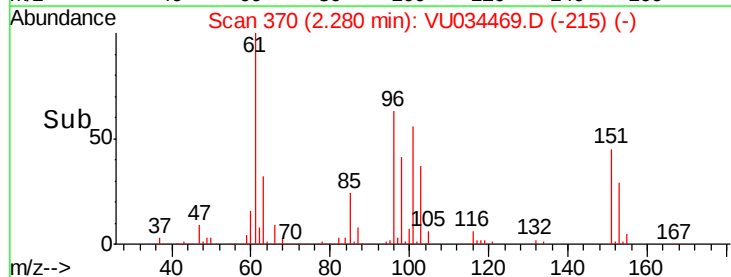
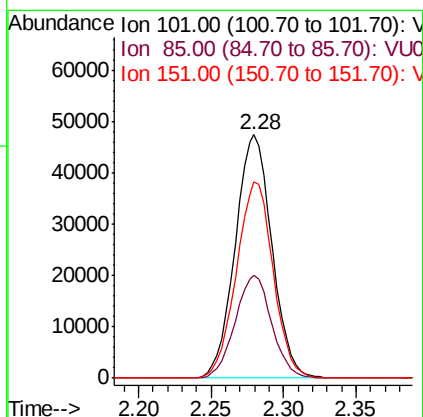
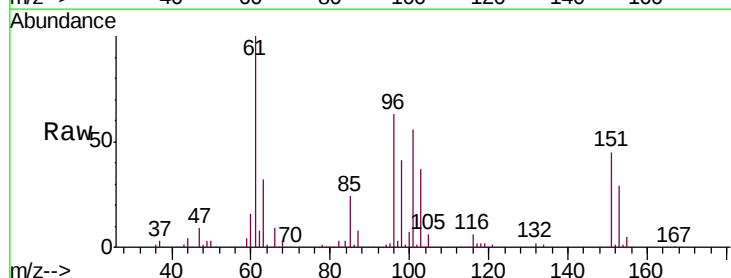
Tgt Ion:101 Resp: 156909
 Ion Ratio Lower Upper
 101 100
 103 63.0 52.2 78.4

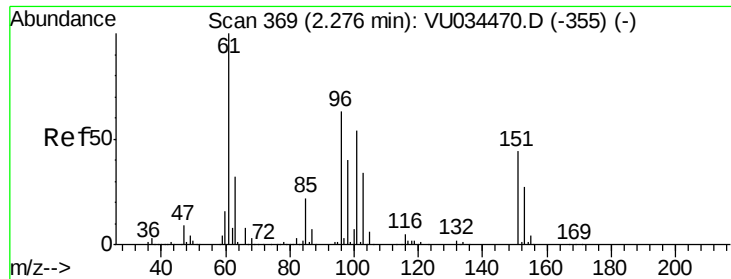


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.682 ug/l
 RT: 2.28 min Scan# 370
 Delta R.T. -0.00 min
 Lab File: VU034469.D
 Acq: 11 Sep 2019 11:07

Tgt Ion:101 Resp: 83401
 Ion Ratio Lower Upper
 101 100
 85 42.1 34.2 51.2
 151 80.9 65.2 97.8

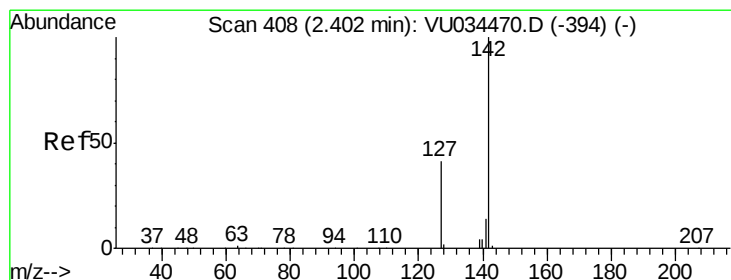
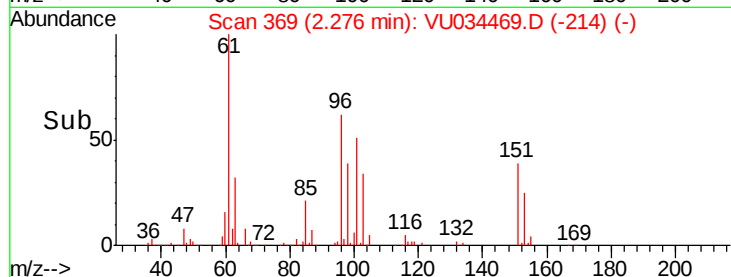
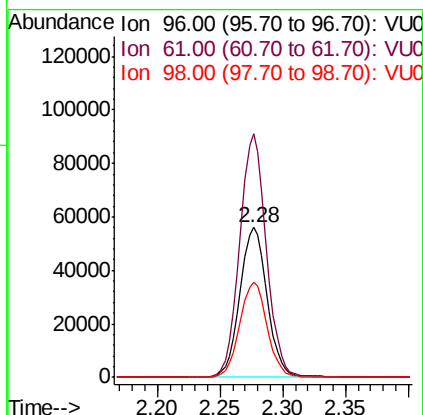
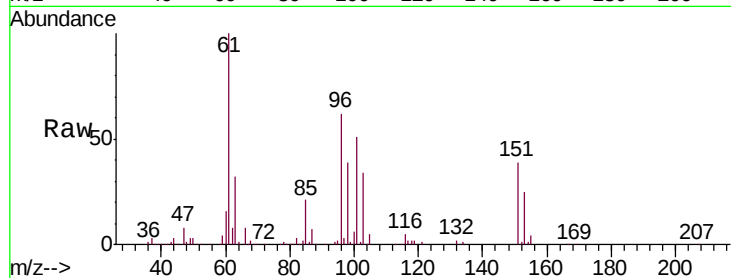




#9
 1,1-Dichloroethene
 Concen: 3.810 ug/l
 RT: 2.28 min Scan# 369
 Delta R.T. -0.00 min
 Lab File: VU034469.D
 Acq: 11 Sep 2019 11:07

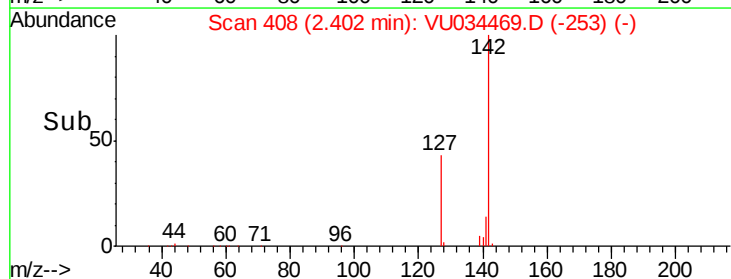
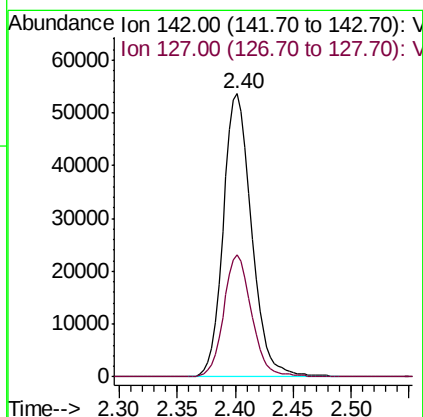
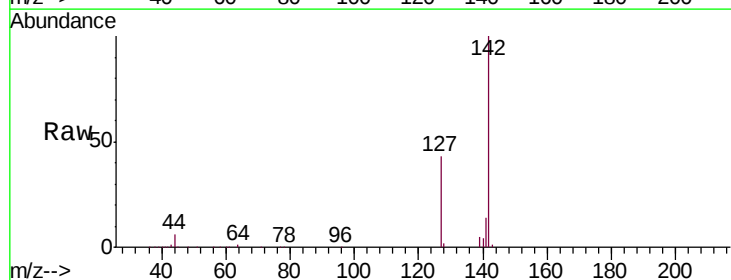
Instrument :
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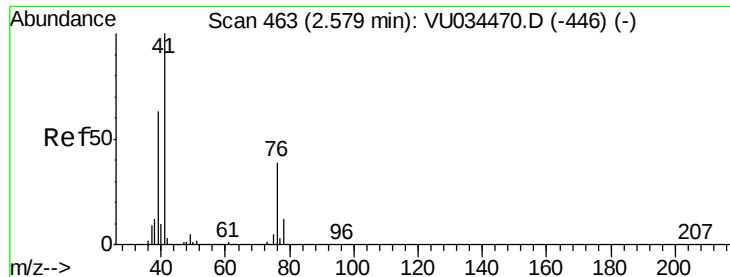
Tgt Ion: 96 Resp: 85080
 Ion Ratio Lower Upper
 96 100
 61 162.2 0.0 475.5
 98 63.8 0.0 127.6



#10
 Iodomethane
 Concen: 3.132 ug/l
 RT: 2.40 min Scan# 408
 Delta R.T. -0.00 min
 Lab File: VU034469.D
 Acq: 11 Sep 2019 11:07

Tgt Ion: 142 Resp: 91407
 Ion Ratio Lower Upper
 142 100
 127 42.3 33.0 49.6

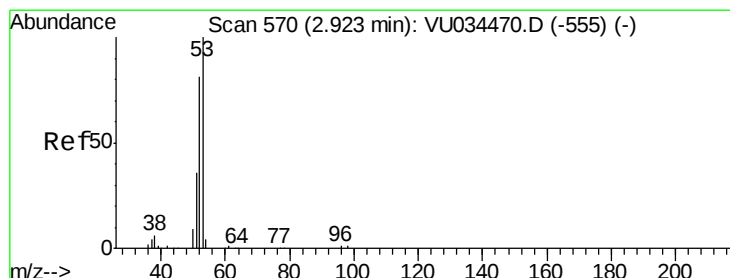
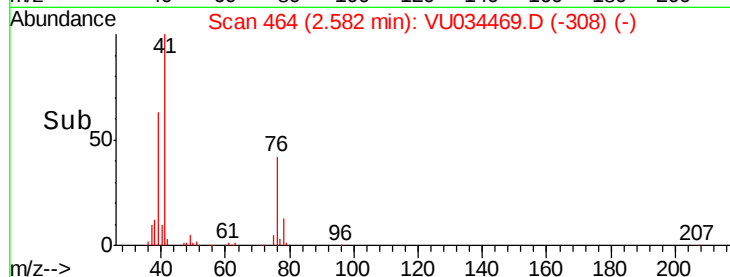
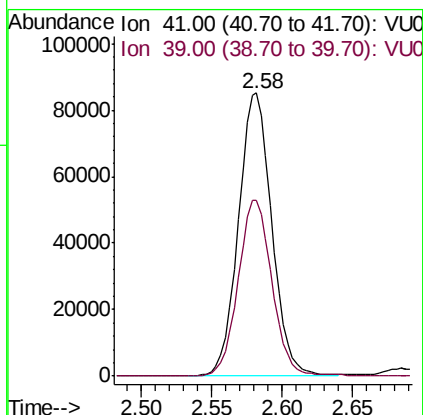
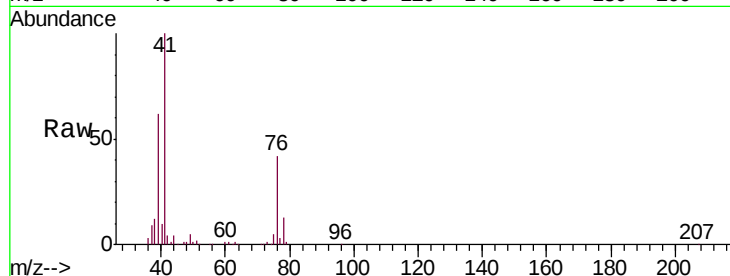




#11
 Allyl Chloride
 Concen: 3.807 ug/l
 RT: 2.58 min Scan# 464
 Delta R.T. 0.00 min
 Lab File: VU034469.D
 Acq: 11 Sep 2019 11:07

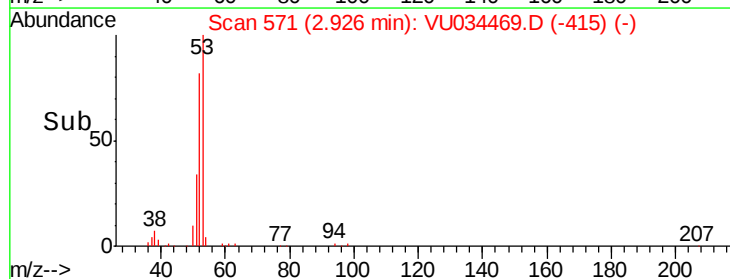
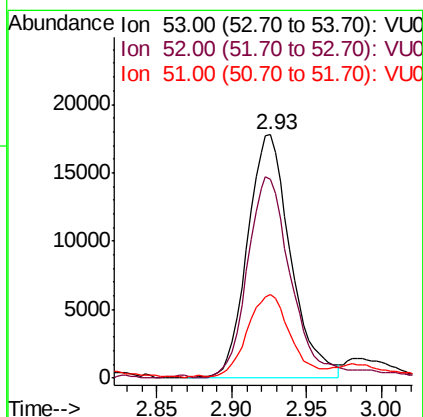
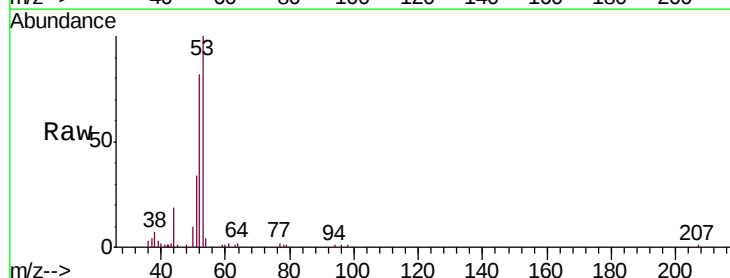
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

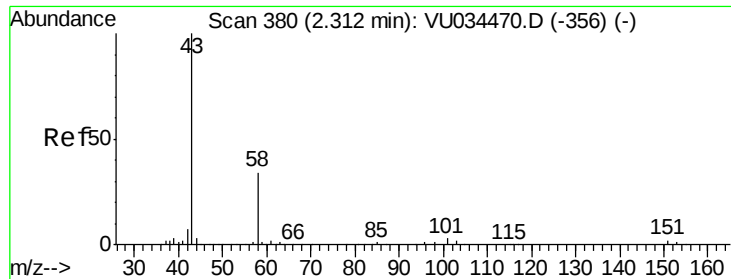
Tgt Ion: 41 Resp: 140200
 Ion Ratio Lower Upper
 41 100
 39 62.9 50.2 75.2



#12
 Acrylonitrile
 Concen: 5.887 ug/l
 RT: 2.93 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VU034469.D
 Acq: 11 Sep 2019 11:07

Tgt Ion: 53 Resp: 35680
 Ion Ratio Lower Upper
 53 100
 52 83.0 66.9 100.3
 51 32.7 28.4 42.6





#13

Acetone

Concen: 13.752 ug/l

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VU034469.D

Acq: 11 Sep 2019 11:07

Instrument :

MSVOA_U

ClientSampleId :

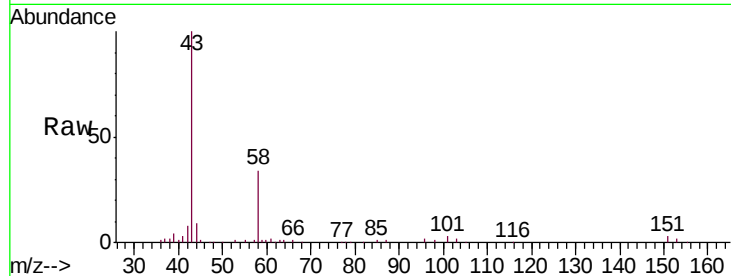
VSTDIC005

Tgt Ion: 43 Resp: 71402

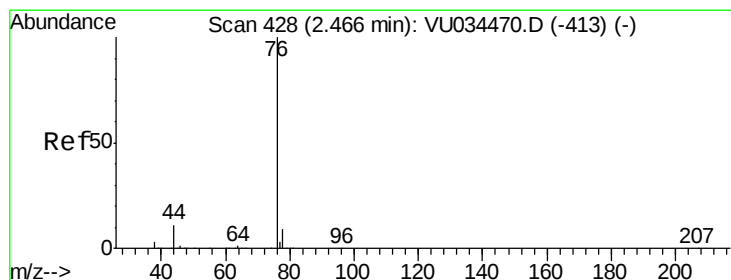
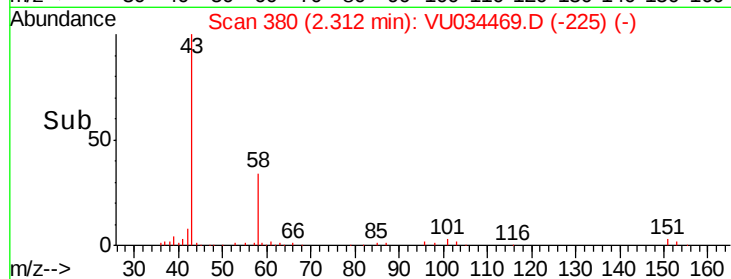
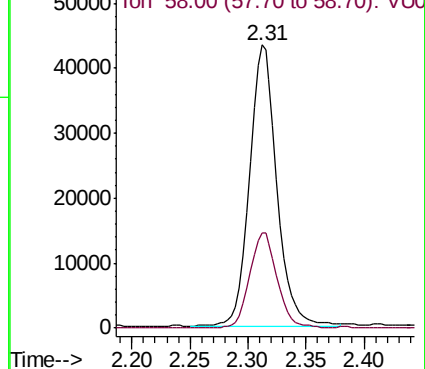
Ion Ratio Lower Upper

43 100

58 33.9 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VU034470.D (-356) (-)



#14

Carbon Disulfide

Concen: 3.523 ug/l

RT: 2.47 min Scan# 428

Delta R.T. -0.00 min

Lab File: VU034469.D

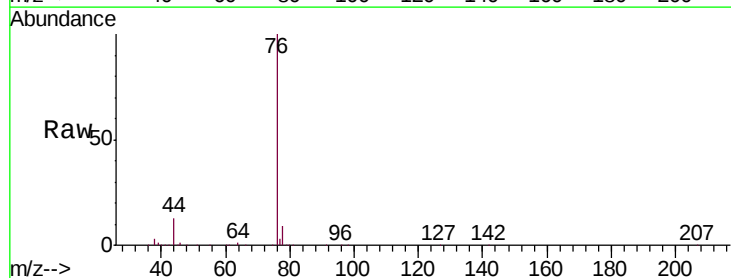
Acq: 11 Sep 2019 11:07

Tgt Ion: 76 Resp: 296545

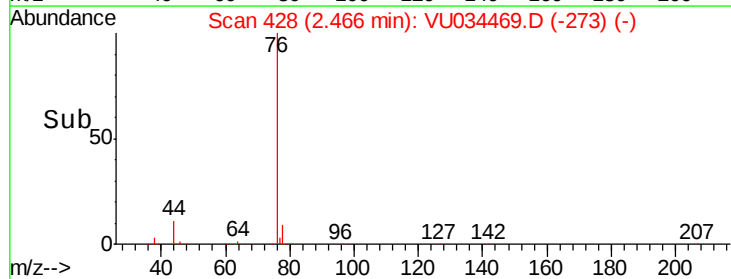
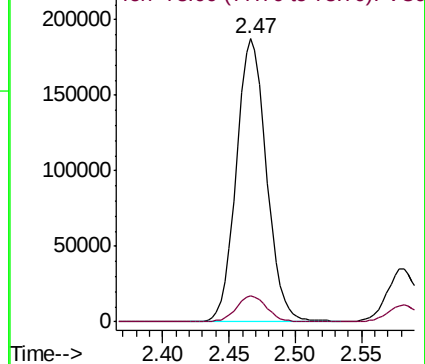
Ion Ratio Lower Upper

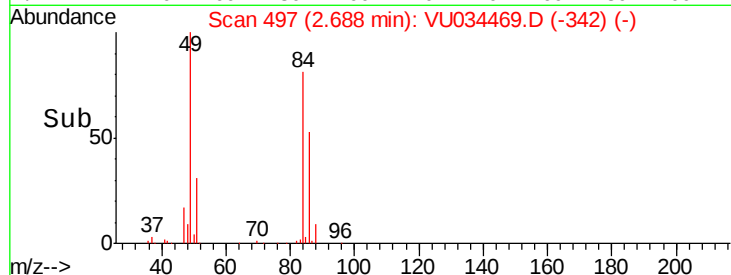
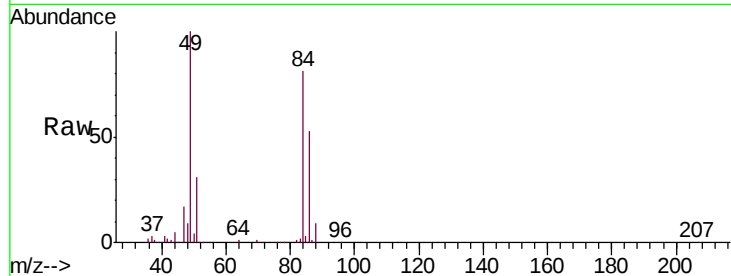
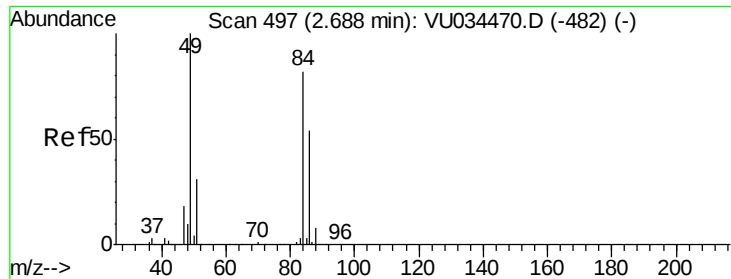
76 100

78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU034470.D (-413) (-)

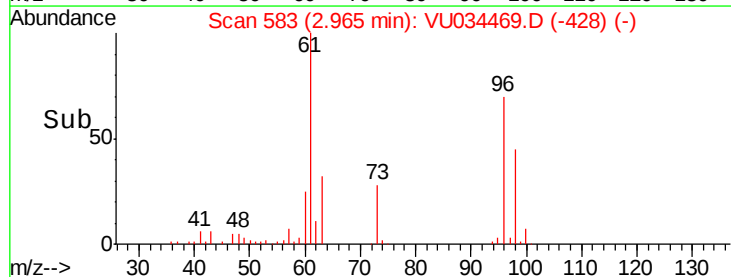
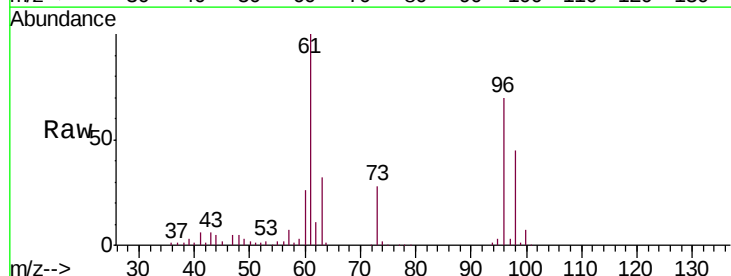
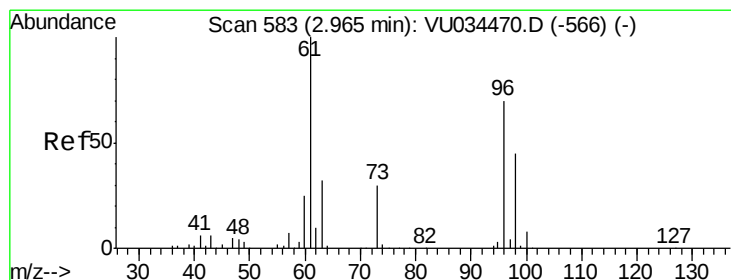
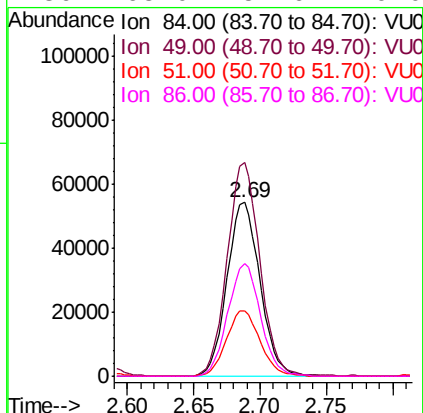




#15
Methylene Chloride
Concen: 3.151 ug/l
RT: 2.69 min Scan# 497
Delta R.T. -0.00 min
Lab File: VU034469.D
Acq: 11 Sep 2019 11:07

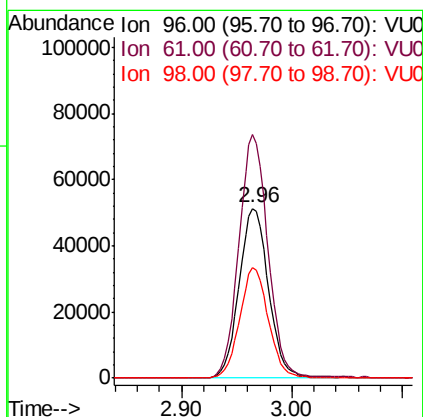
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

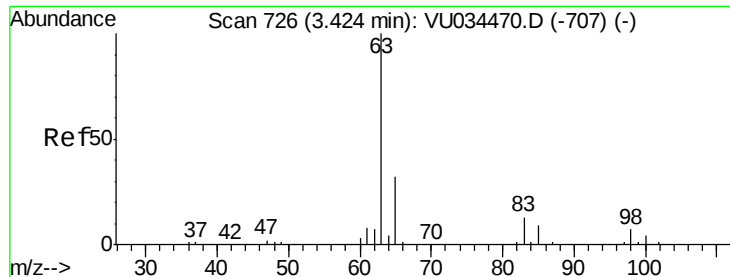
Tgt Ion:	84	Resp:	94035
Ion	Ratio	Lower	Upper
84	100		
49	122.9	97.8	146.6
51	37.7	0.0	76.4
86	65.0	52.6	79.0



#16
trans-1,2-Dichloroethene
Concen: 3.600 ug/l
RT: 2.96 min Scan# 583
Delta R.T. -0.00 min
Lab File: VU034469.D
Acq: 11 Sep 2019 11:07

Tgt Ion:	96	Resp:	94888
Ion	Ratio	Lower	Upper
96	100		
61	143.4	114.5	171.7
98	64.8	51.2	76.8

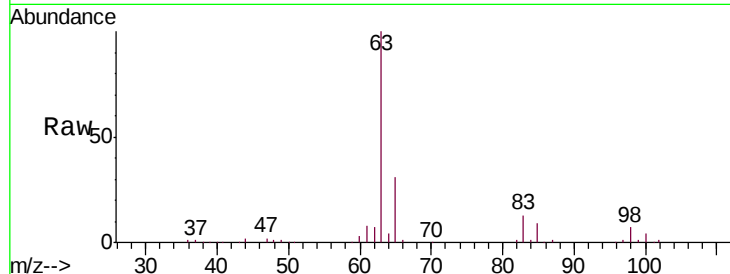




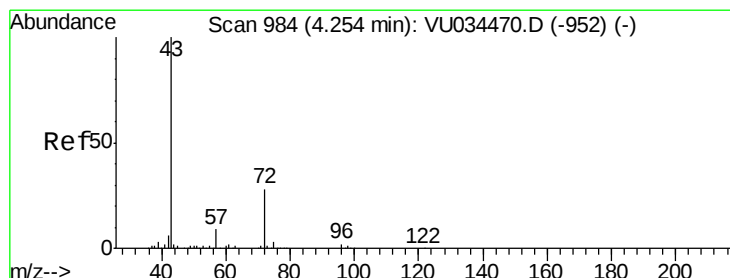
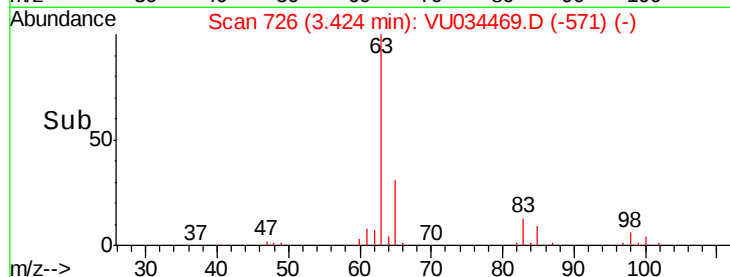
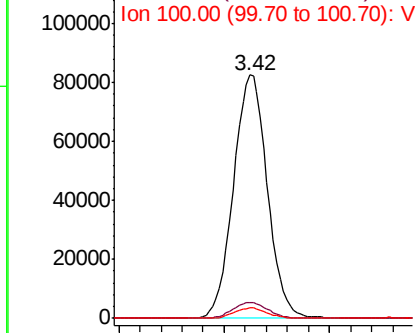
#17
 1,1-Dichloroethane
 Concen: 4.937 ug/l
 RT: 3.42 min Scan# 726
 Delta R.T. -0.00 min
 Lab File: VU034469.D
 Acq: 11 Sep 2019 11:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion: 63 Resp: 183702
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.5 10.4
 100 4.1 2.3 6.8

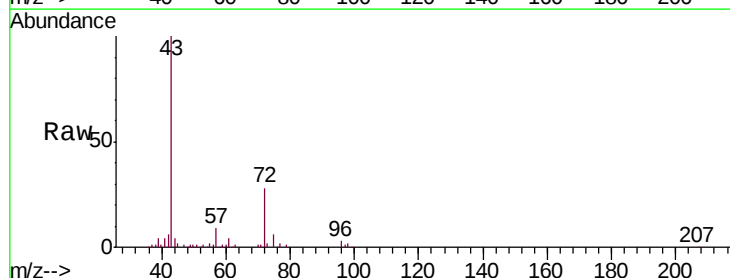


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

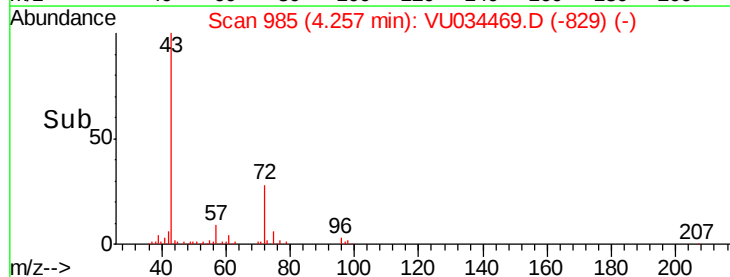
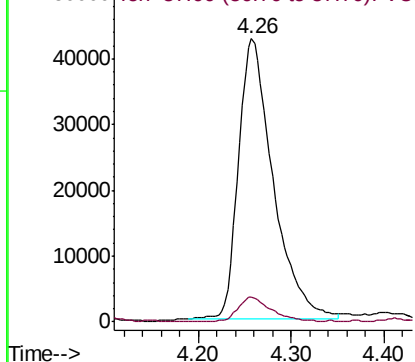


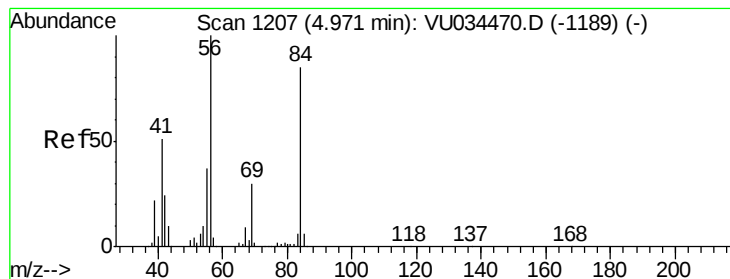
#18
 2-Butanone
 Concen: 21.488 ug/l
 RT: 4.26 min Scan# 985
 Delta R.T. 0.00 min
 Lab File: VU034469.D
 Acq: 11 Sep 2019 11:07

Tgt Ion: 43 Resp: 110747
 Ion Ratio Lower Upper
 43 100
 57 8.7 0.0 17.8



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0





#19

Cyclohexane

Concen: 4.686 ug/l

RT: 4.97 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VU034469.D

Acq: 11 Sep 2019 11:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

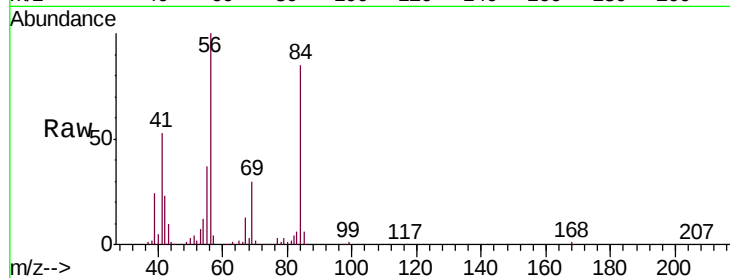
Tgt Ion: 56 Resp: 129583

Ion Ratio Lower Upper

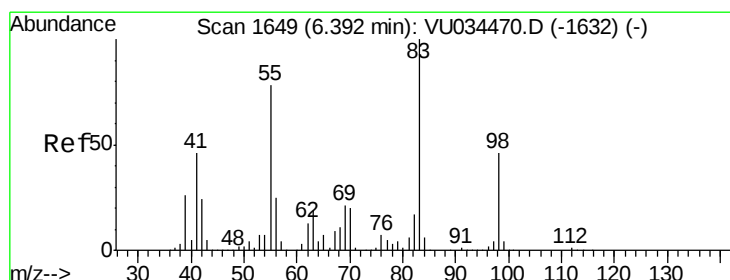
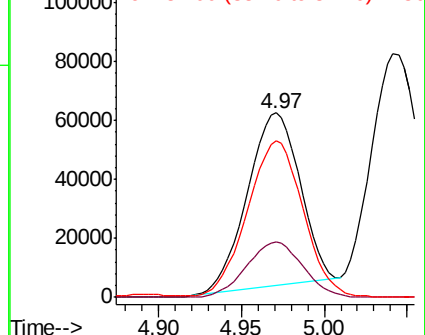
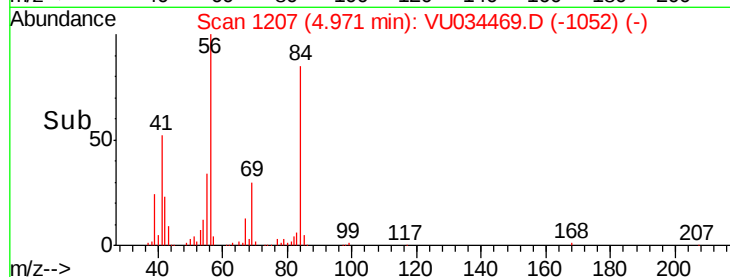
56 100

69 34.5 24.4 36.6

84 95.2 66.9 100.3



Abundance Ion 56.00 (55.70 to 56.70): VU034469.D (-1052) (-)



#20

Methylcyclohexane

Concen: 5.393 ug/l

RT: 6.39 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU034469.D

Acq: 11 Sep 2019 11:07

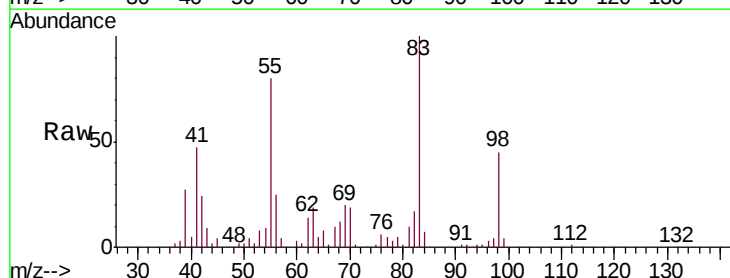
Tgt Ion: 83 Resp: 150205

Ion Ratio Lower Upper

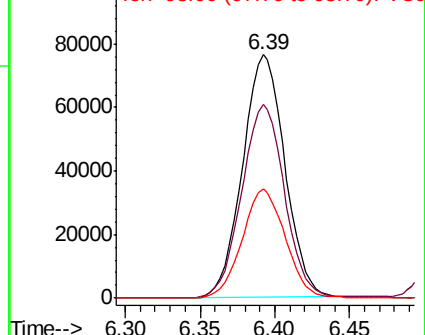
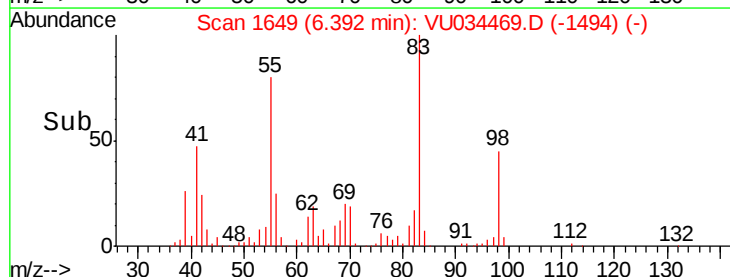
83 100

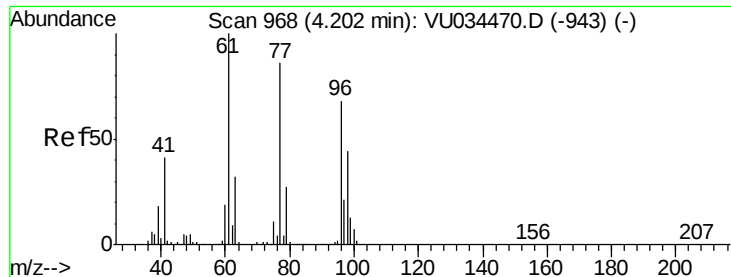
55 80.4 61.7 92.5

98 45.6 36.0 54.0



Abundance Ion 83.00 (82.70 to 83.70): VU034469.D (-1494) (-)





#21

2,2-Dichloropropane

Concen: 4.578 ug/l

RT: 4.20 min Scan# 968

Delta R.T. -0.00 min

Lab File: VU034469.D

Acq: 11 Sep 2019 11:07

Instrument :

MSVOA_U

ClientSampleId :

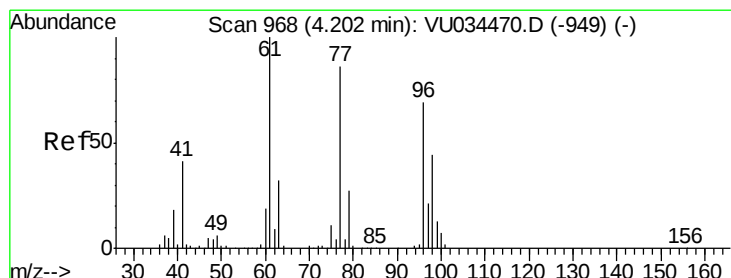
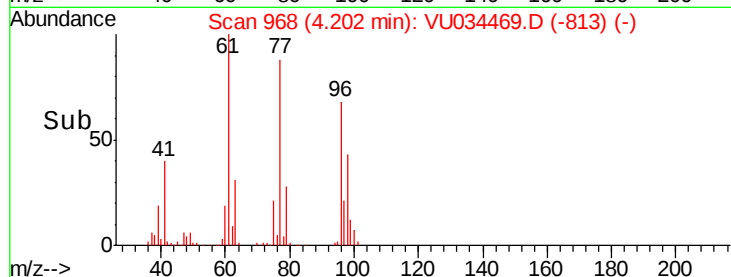
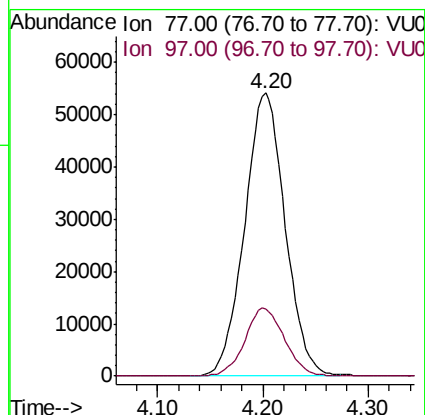
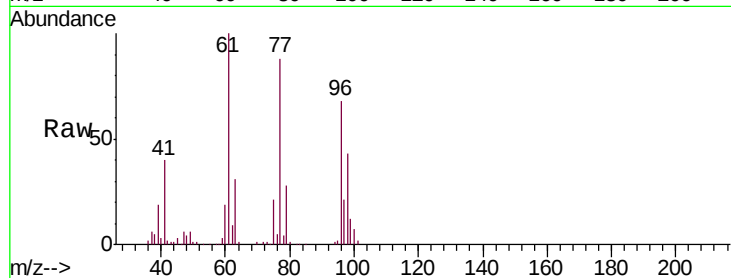
VSTDIC005

Tgt Ion: 77 Resp: 144676

Ion Ratio Lower Upper

77 100

97 23.5 18.9 28.3



#22

cis-1,2-Dichloroethene

Concen: 4.989 ug/l

RT: 4.20 min Scan# 968

Delta R.T. -0.00 min

Lab File: VU034469.D

Acq: 11 Sep 2019 11:07

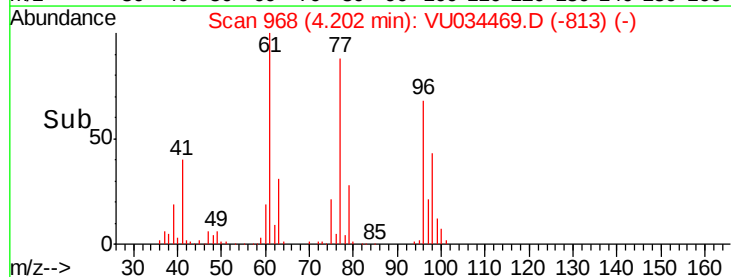
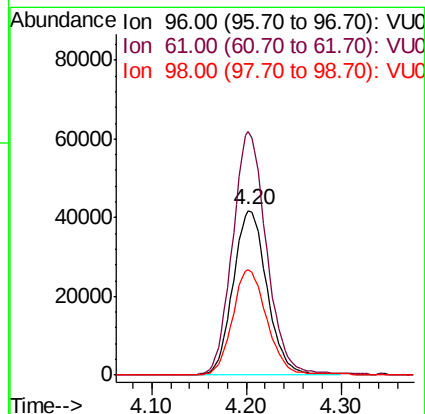
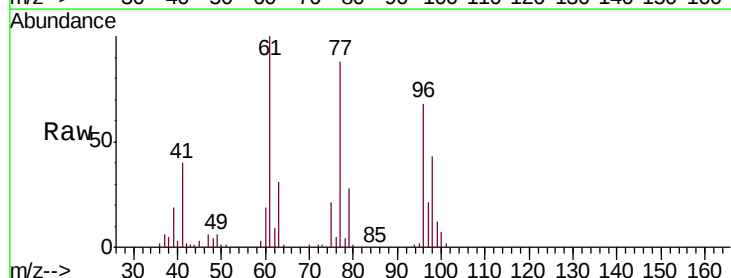
Tgt Ion: 96 Resp: 104677

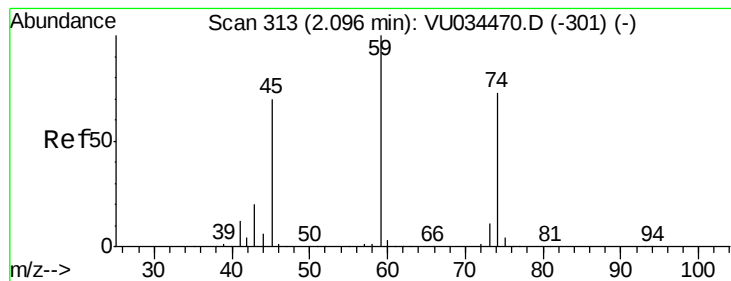
Ion Ratio Lower Upper

96 100

61 147.8 0.0 369.5

98 64.3 32.4 97.2





#23

Diethyl Ether

Concen: 3.404 ug/l

RT: 2.10 min Scan# 313

Delta R.T. -0.00 min

Lab File: VU034469.D

Acq: 11 Sep 2019 11:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

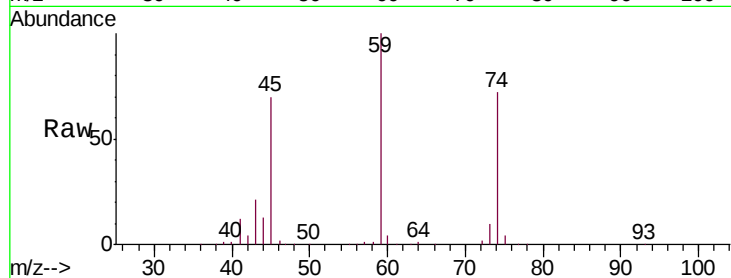
Tgt Ion: 59 Resp: 64214

Ion Ratio Lower Upper

59 100

45 70.1 56.3 84.5

74 73.8 58.2 87.2

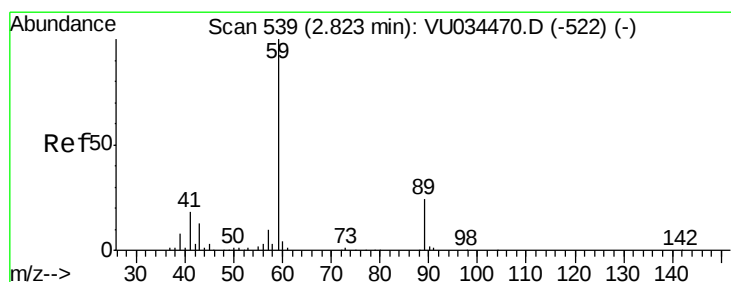
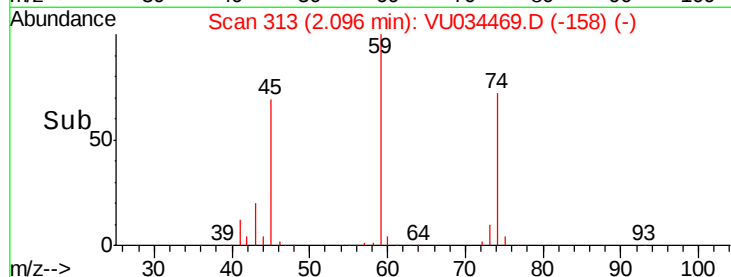
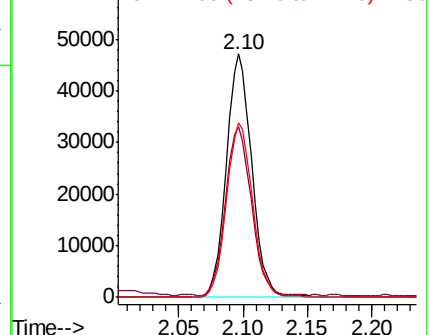


Abundance

Ion 59.00 (58.70 to 59.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#24

tert-Butyl Alcohol

Concen: 24.507 ug/l

RT: 2.82 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU034469.D

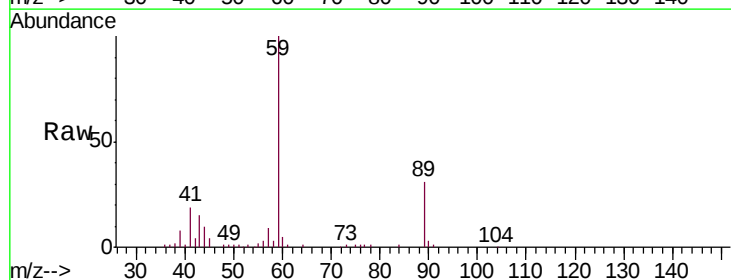
Acq: 11 Sep 2019 11:07

Tgt Ion: 59 Resp: 70238

Ion Ratio Lower Upper

59 100

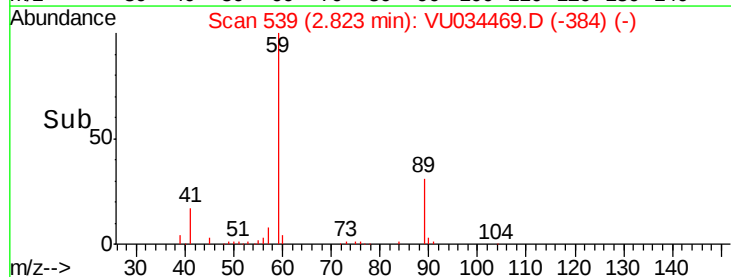
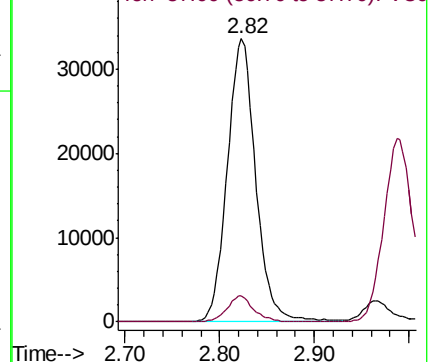
57 8.7 7.3 10.9

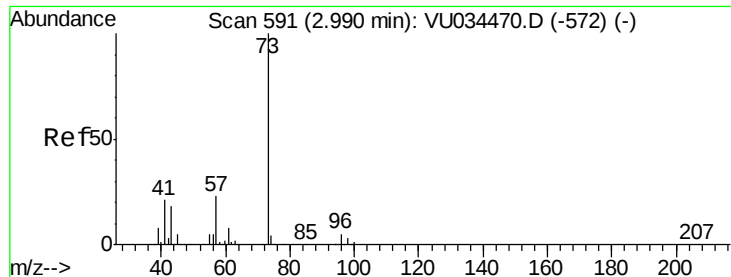


Abundance

Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#25

Methyl tert-Butyl Ether

Concen: 3.271 ug/l

RT: 2.99 min Scan# 590

Delta R.T. -0.00 min

Lab File: VU034469.D

Acq: 11 Sep 2019 11:07

Instrument :

MSVOA_U

ClientSampleId :

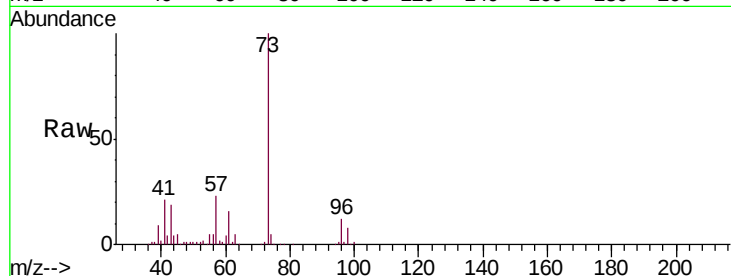
VSTDIC005

Tgt Ion: 73 Resp: 205399

Ion Ratio Lower Upper

73 100

43 18.4 14.4 21.6



Abundance Ion 73.00 (72.70 to 73.70): VU034470.D (-572) (-)

Ion 43.00 (42.70 to 43.70): VU034470.D (-572) (-)

2.99

100000

80000

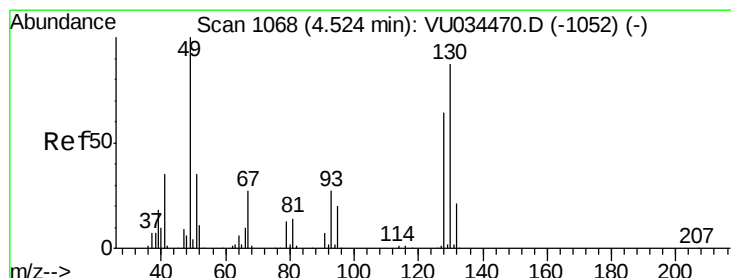
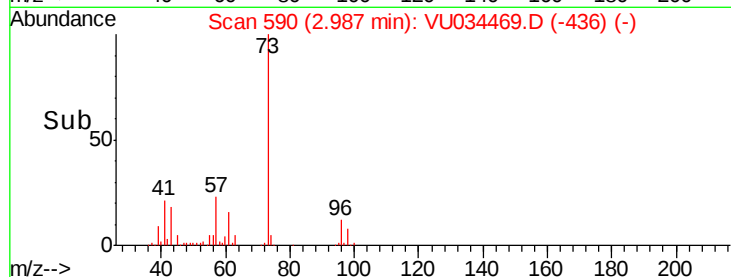
60000

40000

20000

0

Time-->



#26

Bromochloromethane

Concen: 4.852 ug/l

RT: 4.52 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VU034469.D

Acq: 11 Sep 2019 11:07

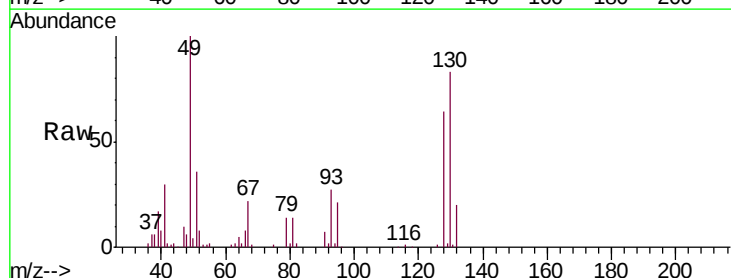
Tgt Ion: 128 Resp: 44360

Ion Ratio Lower Upper

128 100

49 157.0 0.0 309.8

130 130.0 105.0 157.6



Abundance Ion 128.00 (127.70 to 128.70): VU034470.D (-1052) (-)

Ion 49.00 (48.70 to 49.70): VU034470.D (-1052) (-)

Ion 130.00 (129.70 to 130.70): VU034470.D (-1052) (-)

4.52

40000

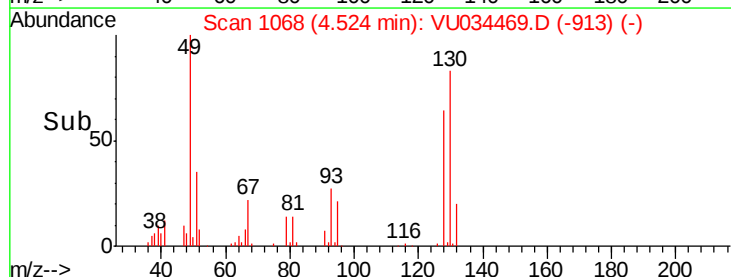
30000

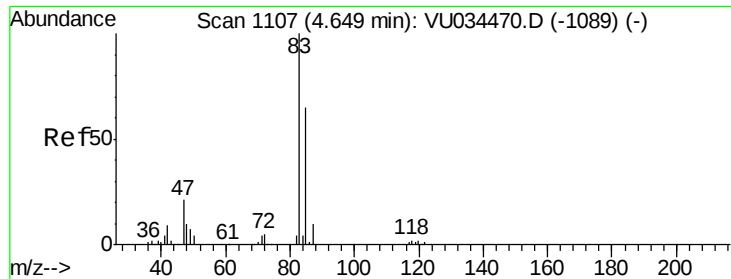
20000

10000

0

Time-->





#27

Chloroform

Concen: 4.302 ug/l

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VU034469.D

Acq: 11 Sep 2019 11:07

Instrument :

MSVOA_U

ClientSampleId :

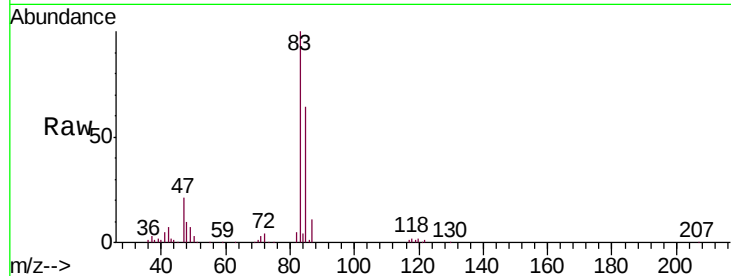
VSTDIC005

Tgt Ion: 83 Resp: 180135

Ion Ratio Lower Upper

83 100

85 64.2 0.0 130.2



Abundance Ion 83.00 (82.70 to 83.70): VU034469.D (-1089) (-)

Ion 85.00 (84.70 to 85.70): VU034469.D (-1089) (-)

4.65

80000

60000

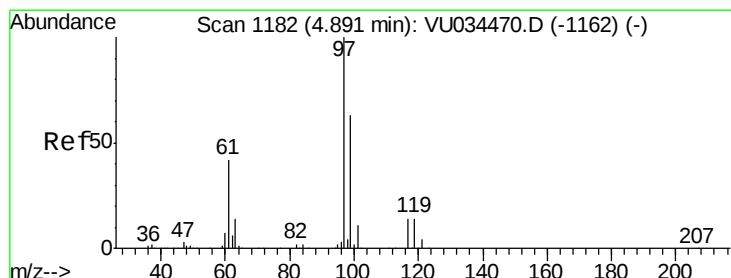
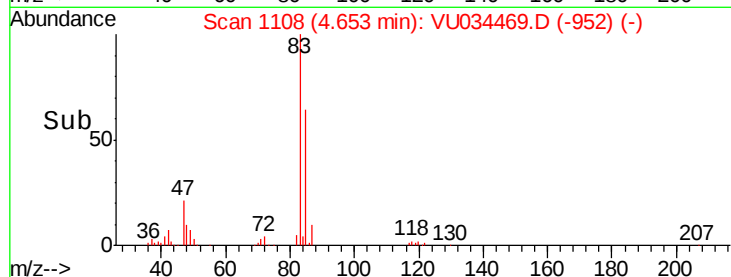
40000

20000

0

4.60 4.70 4.80

Time-->



#28

1,1,1-Trichloroethane

Concen: 4.618 ug/l

RT: 4.89 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VU034469.D

Acq: 11 Sep 2019 11:07

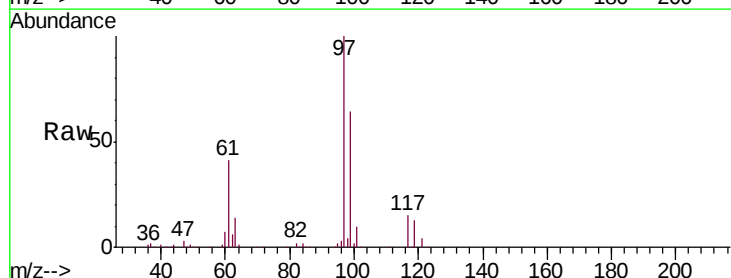
Tgt Ion: 97 Resp: 149503

Ion Ratio Lower Upper

97 100

99 64.0 32.0 96.2

61 42.1 21.4 64.3



Abundance Ion 97.00 (96.70 to 97.70): VU034469.D (-1027) (-)

Ion 99.00 (98.70 to 99.70): VU034469.D (-1027) (-)

Ion 61.00 (60.70 to 61.70): VU034469.D (-1027) (-)

4.89

80000

60000

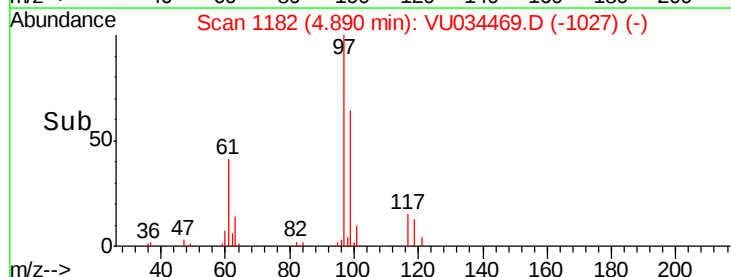
40000

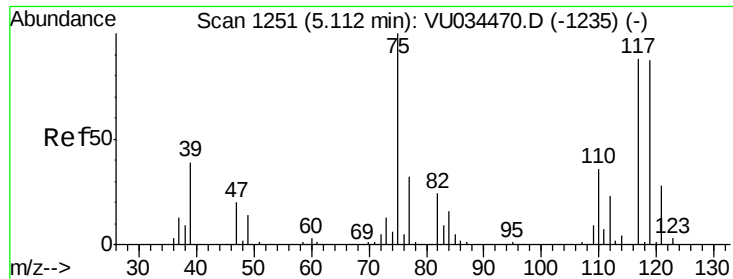
20000

0

4.80 4.90 5.00

Time-->

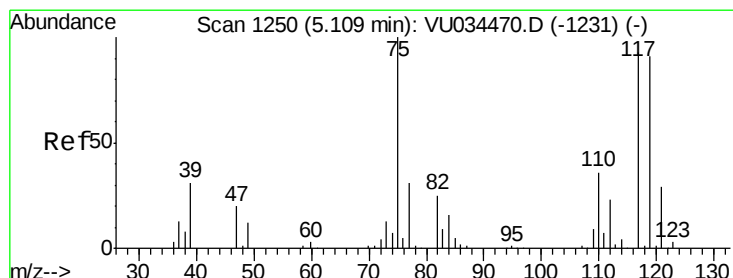
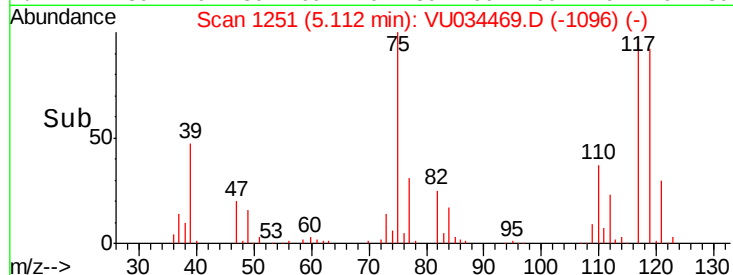
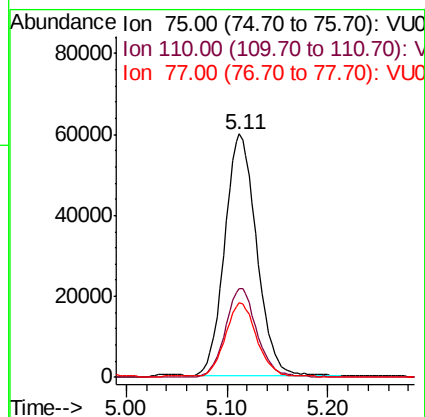
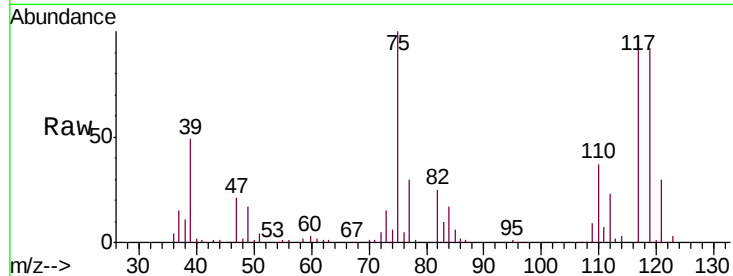




#29
1,1-Dichloropropene
Concen: 4.930 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VU034469.D
Acq: 11 Sep 2019 11:07

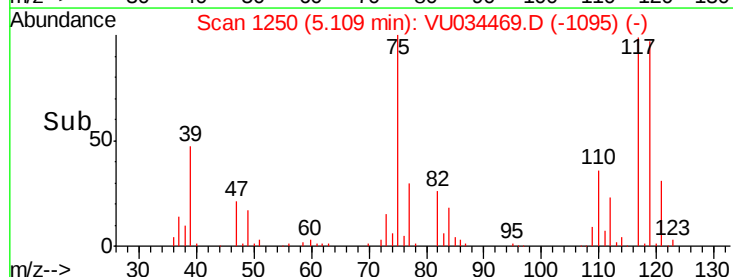
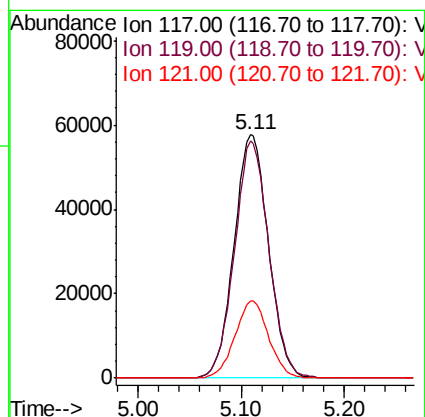
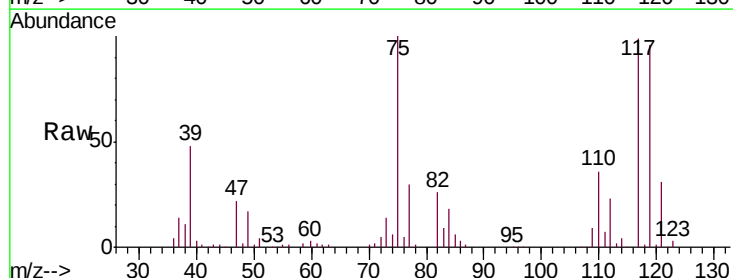
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

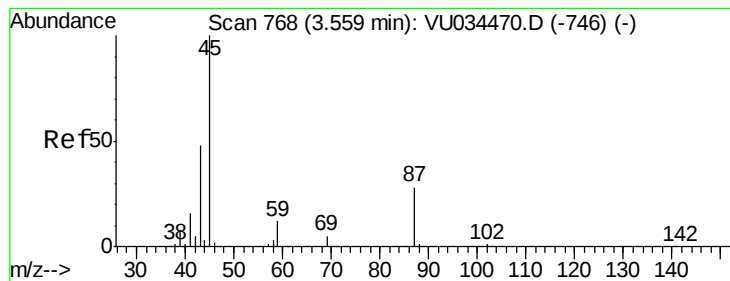
Tgt Ion: 75 Resp: 132578
Ion Ratio Lower Upper
75 100
110 36.3 18.4 55.2
77 29.0 25.0 37.6



#30
Carbon Tetrachloride
Concen: 4.684 ug/l
RT: 5.11 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU034469.D
Acq: 11 Sep 2019 11:07

Tgt Ion: 117 Resp: 133963
Ion Ratio Lower Upper
117 100
119 97.5 78.5 117.7
121 31.7 25.3 37.9





#31

Isopropyl Ether

Concen: 5.476 ug/l

RT: 3.56 min Scan# 768

Delta R.T. -0.00 min

Lab File: VU034469.D

Acq: 11 Sep 2019 11:07

Instrument :

MSVOA_U

ClientSampleId :

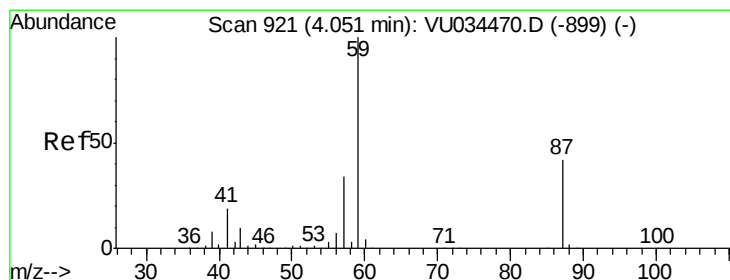
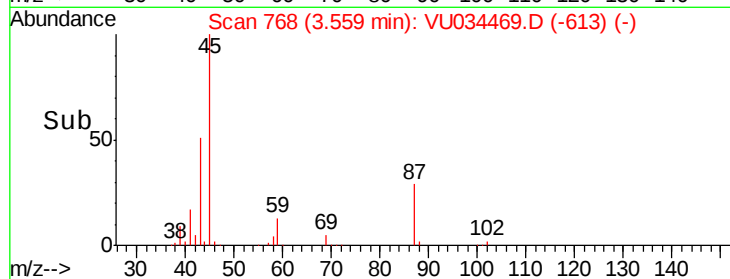
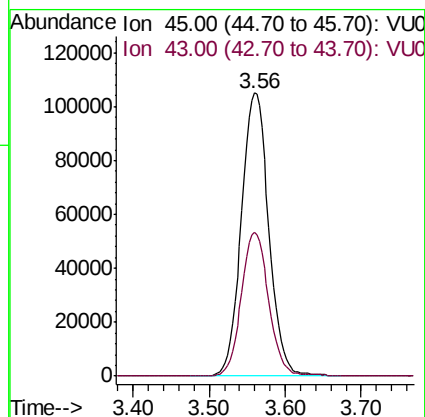
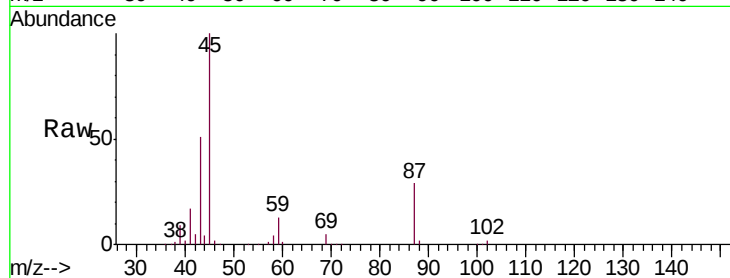
VSTDIC005

Tgt Ion: 45 Resp: 263154

Ion Ratio Lower Upper

45 100

43 50.2 24.8 74.3



#32

Ethyl-t-butyl ether

Concen: 4.957 ug/l

RT: 4.05 min Scan# 922

Delta R.T. 0.00 min

Lab File: VU034469.D

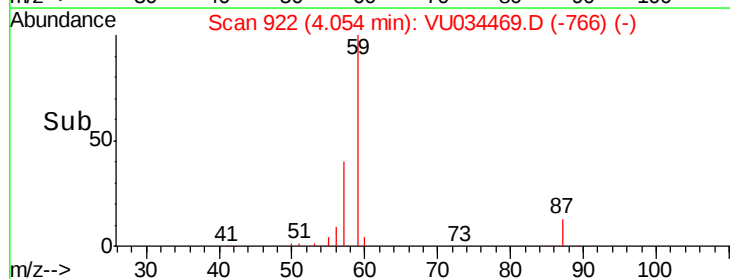
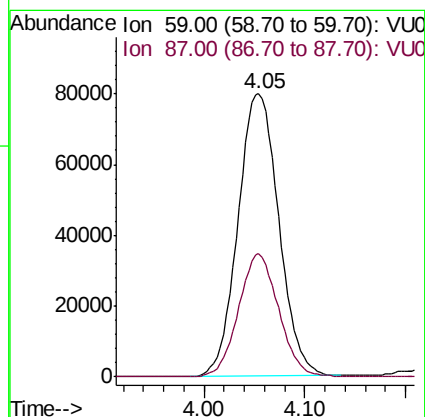
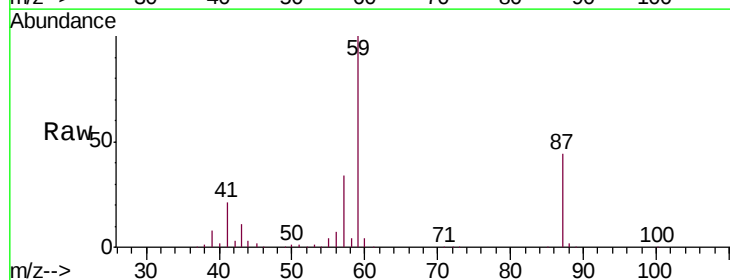
Acq: 11 Sep 2019 11:07

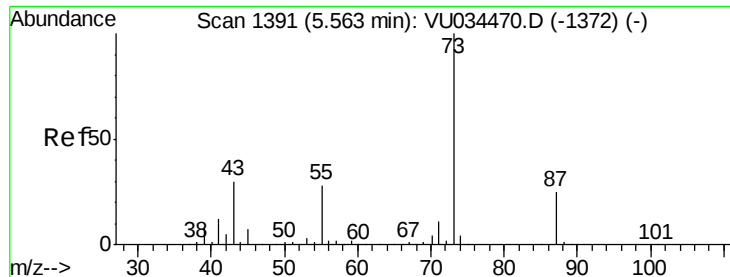
Tgt Ion: 59 Resp: 223963

Ion Ratio Lower Upper

59 100

87 42.7 33.6 50.4

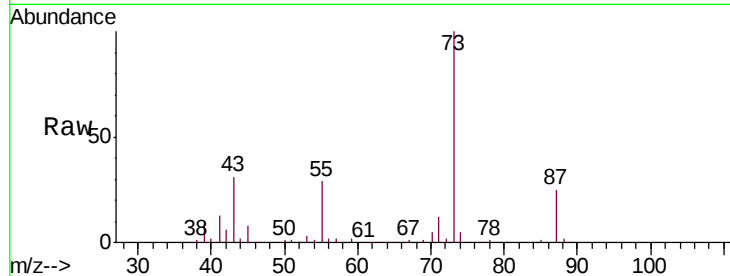




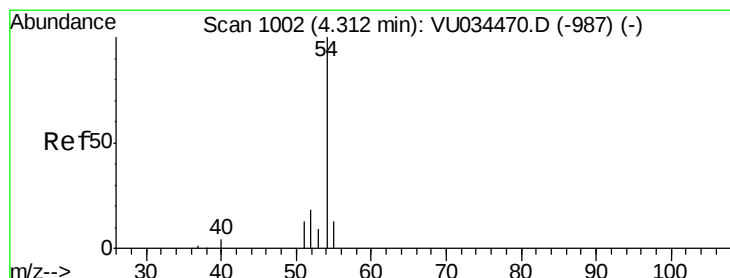
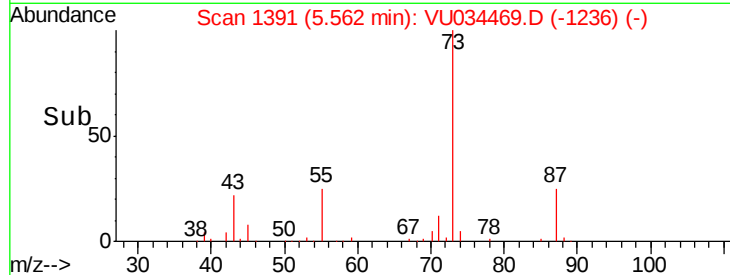
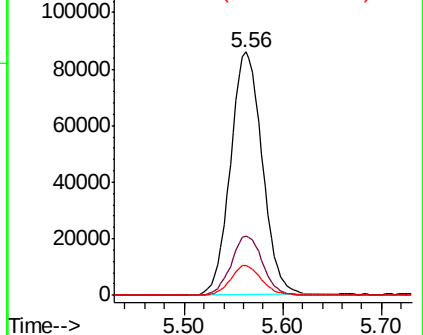
#33
Tert-Amyl methyl ether
Concen: 4.840 ug/l
RT: 5.56 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU034469.D
Acq: 11 Sep 2019 11:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 73 Resp: 193072
Ion Ratio Lower Upper
73 100
87 24.1 19.4 29.0
71 12.1 9.3 13.9

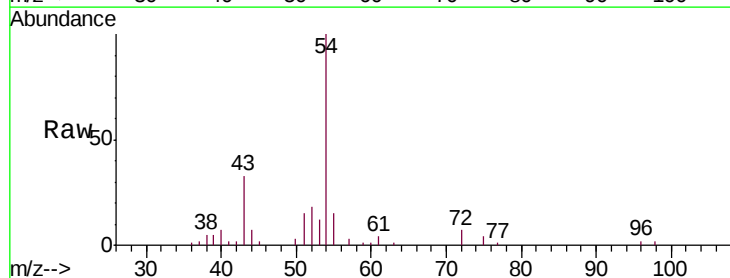


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

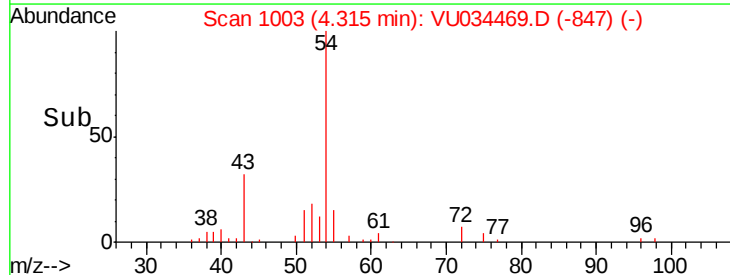
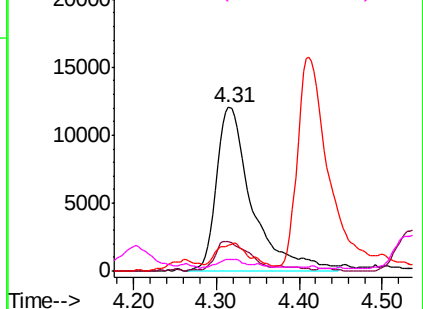


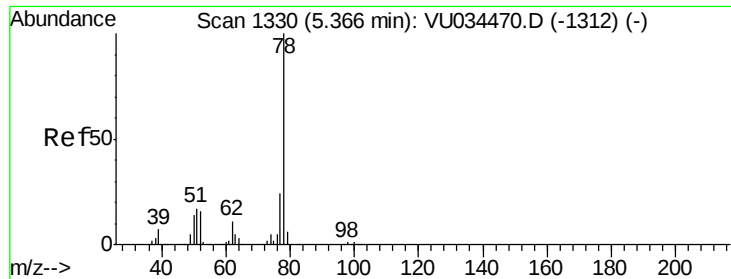
#34
Propionitrile
Concen: 24.617 ug/l
RT: 4.31 min Scan# 1003
Delta R.T. 0.00 min
Lab File: VU034469.D
Acq: 11 Sep 2019 11:07

Tgt Ion: 54 Resp: 35865
Ion Ratio Lower Upper
54 100
52 17.4 14.1 21.1
55 12.4 13.3 19.9#
40 3.8 3.8 5.8#



Abundance Ion 54.00 (53.70 to 54.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 40.00 (39.70 to 40.70): VU0





#35

Benzene

Concen: 5.074 ug/l

RT: 5.37 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VU034469.D

Acq: 11 Sep 2019 11:07

Instrument :

MSVOA_U

ClientSampleId :

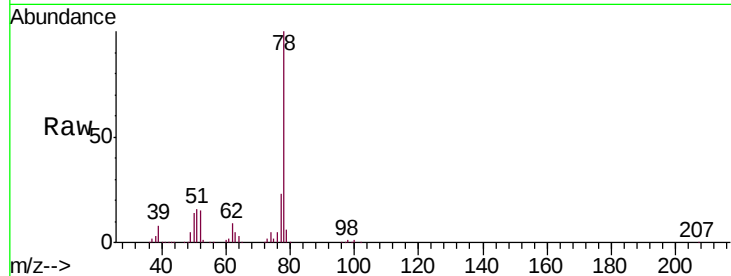
VSTDIC005

Tgt Ion: 78 Resp: 396355

Ion Ratio Lower Upper

78 100

77 23.1 19.3 28.9



Abundance Ion 78.10 (77.80 to 78.80): VU034470.D (-1312) (-)

Ion 77.00 (76.70 to 77.70): VU034470.D (-1312) (-)

5.37

200000

150000

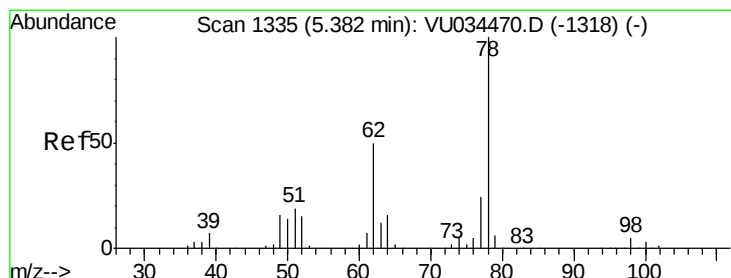
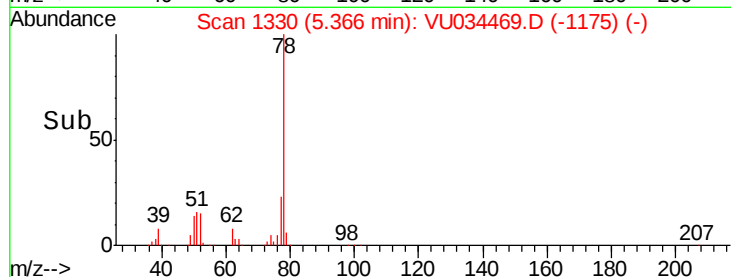
100000

50000

0

Time-->

5.30 5.40 5.50



#36

1,2-Dichloroethane

Concen: 3.989 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU034469.D

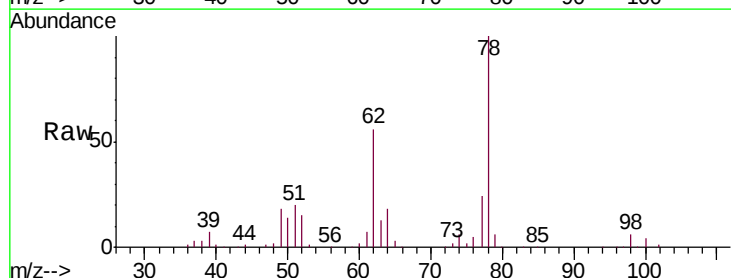
Acq: 11 Sep 2019 11:07

Tgt Ion: 62 Resp: 99979

Ion Ratio Lower Upper

62 100

98 10.1 8.0 12.0



Abundance Ion 62.00 (61.70 to 62.70): VU034469.D (-1180) (-)

Ion 98.00 (97.70 to 98.70): VU034469.D (-1180) (-)

5.39

50000

40000

30000

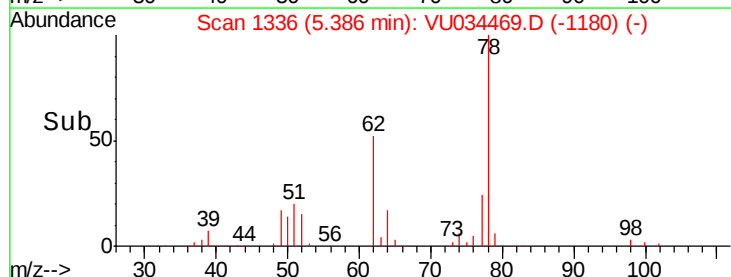
20000

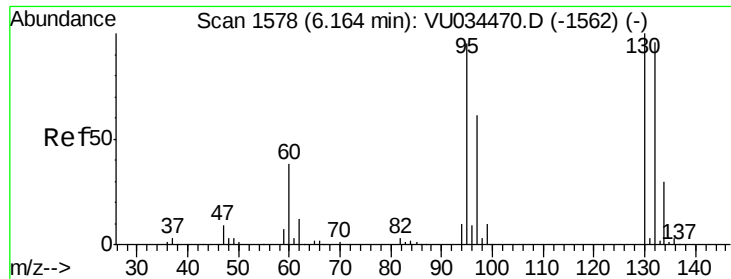
10000

0

Time-->

5.30 5.35 5.40 5.45 5.50

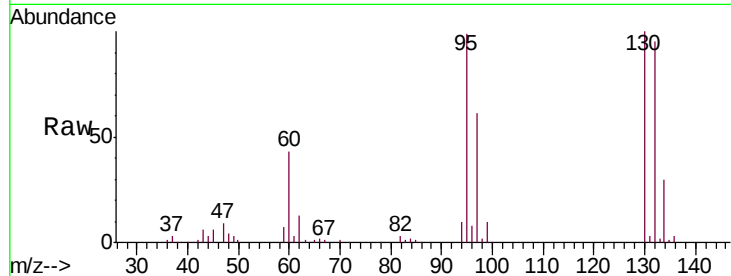




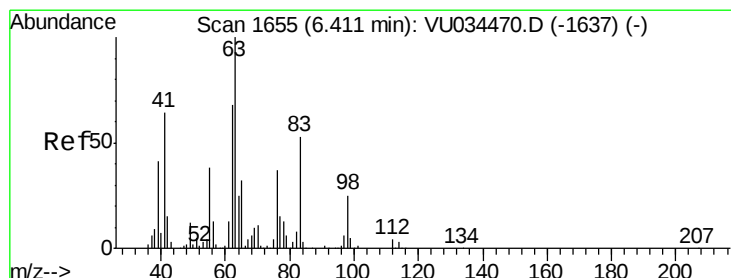
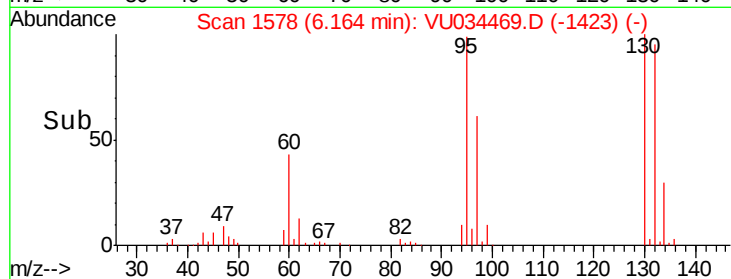
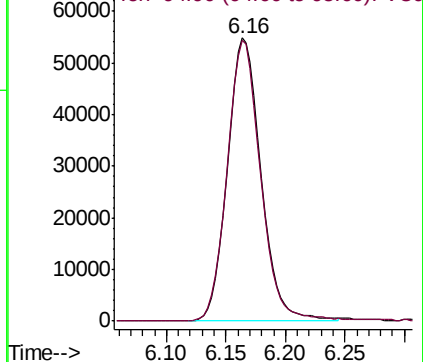
#37
 Trichloroethene
 Concen: 5.138 ug/l
 RT: 6.16 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VU034469.D
 Acq: 11 Sep 2019 11:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion: 130 Resp: 107116
 Ion Ratio Lower Upper
 130 100
 95 99.2 76.3 114.5

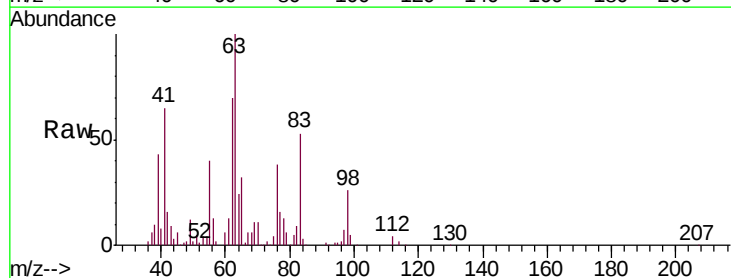


Abundance Ion 129.90 (129.60 to 130.60): VU034470.D (-1562) (-)
 Ion 94.90 (94.60 to 95.60): VU034470.D (-1562) (-)

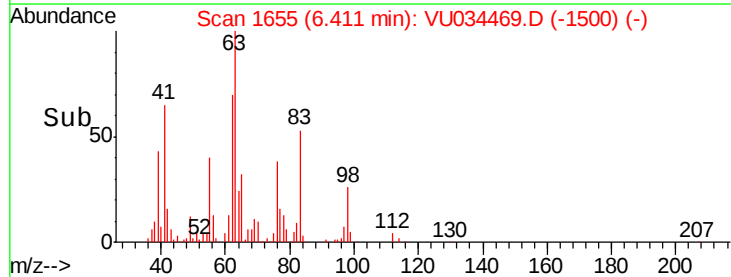
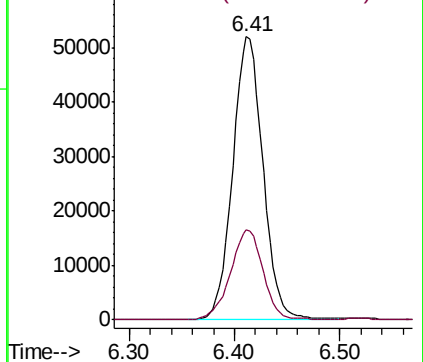


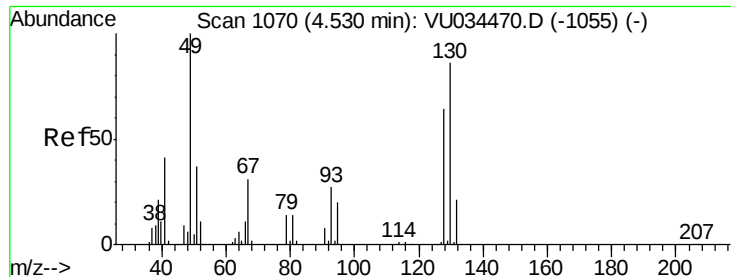
#38
 1,2-Dichloropropane
 Concen: 4.839 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU034469.D
 Acq: 11 Sep 2019 11:07

Tgt Ion: 63 Resp: 103606
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.4 38.2



Abundance Ion 63.00 (62.70 to 63.70): VU034470.D (-1637) (-)
 Ion 65.00 (64.70 to 65.70): VU034470.D (-1637) (-)

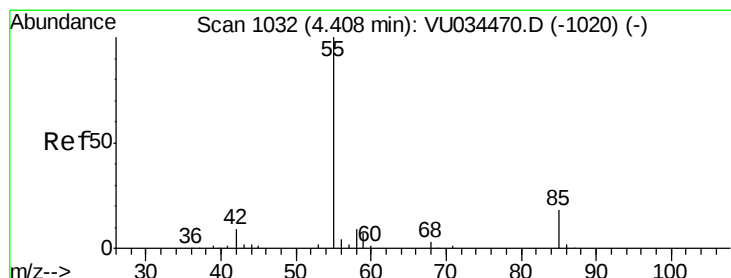
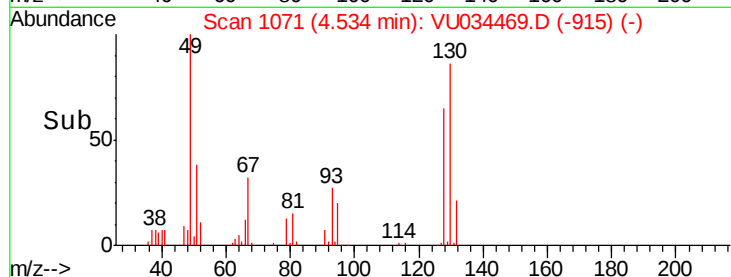
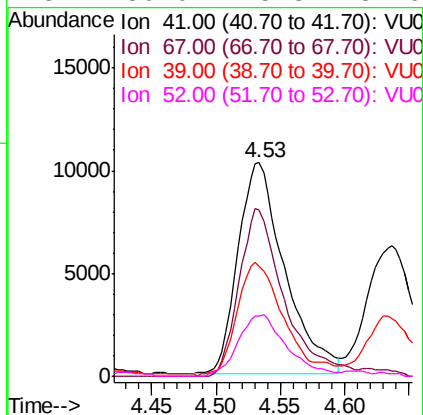
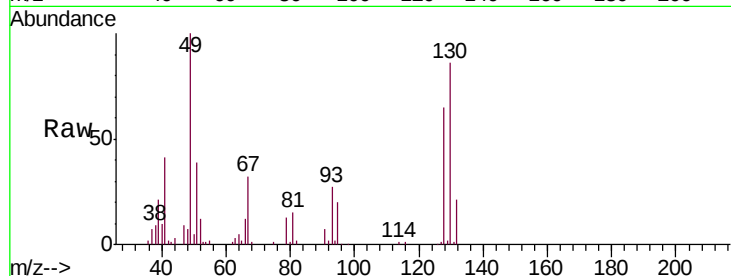




#39
Methacrylonitrile
Concen: 4.428 ug/l
RT: 4.53 min Scan# 1071
Delta R.T. 0.00 min
Lab File: VU034469.D
Acq: 11 Sep 2019 11:07

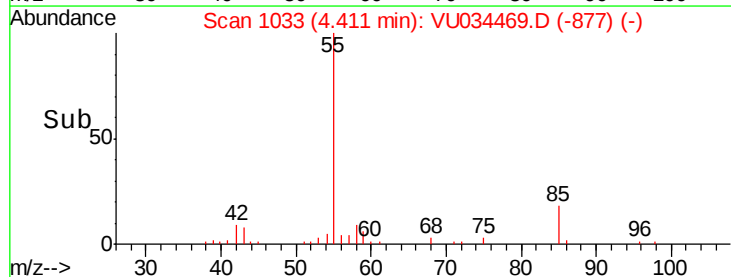
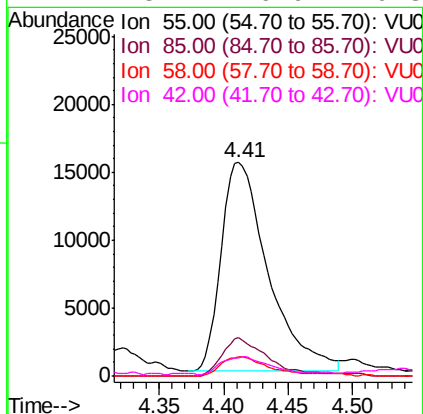
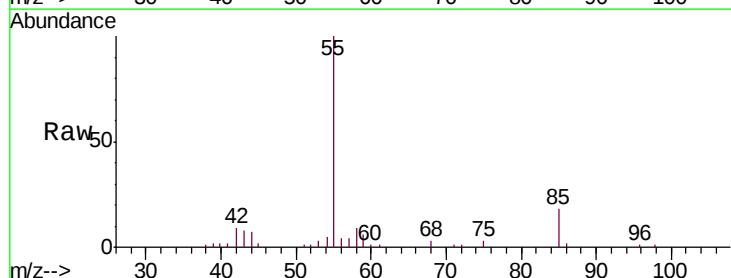
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

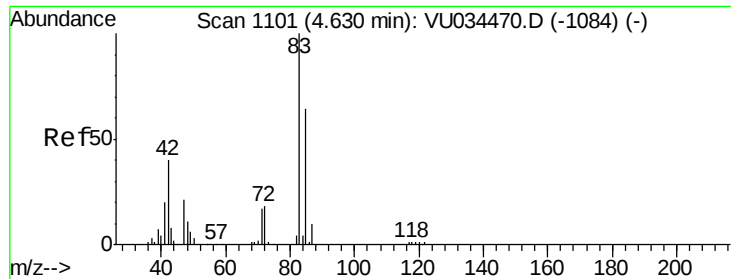
Tgt Ion:	41	Resp:	25931
Ion	Ratio	Lower	Upper
41	100		
67	76.7	62.6	94.0
39	54.8	41.6	62.4
52	30.0	25.3	37.9



#40
Methyl acrylate
Concen: 4.288 ug/l
RT: 4.41 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VU034469.D
Acq: 11 Sep 2019 11:07

Tgt Ion:	55	Resp:	38983
Ion	Ratio	Lower	Upper
55	100		
85	17.7	13.8	20.6
58	9.1	7.0	10.6
42	8.4	6.9	10.3





#41

Tetrahydrofuran

Concen: 9.413 ug/l

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VU034469.D

Acq: 11 Sep 2019 11:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

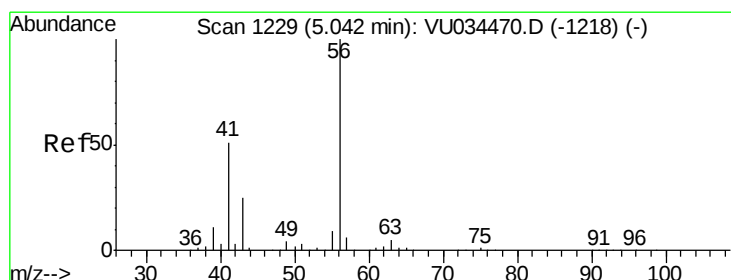
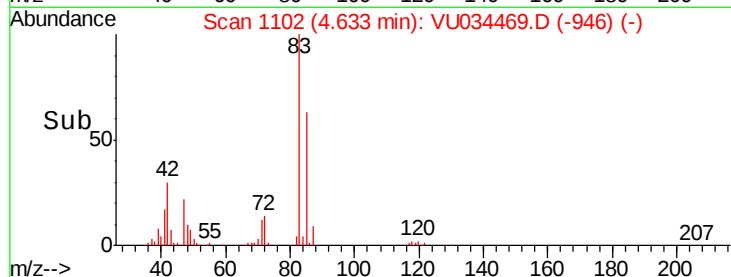
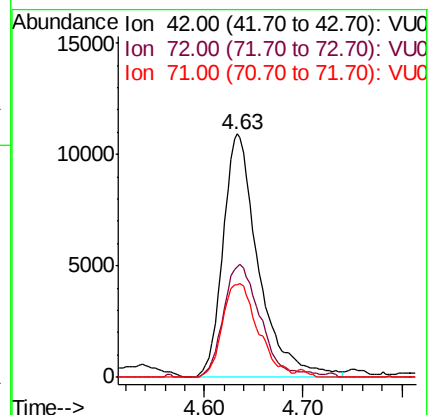
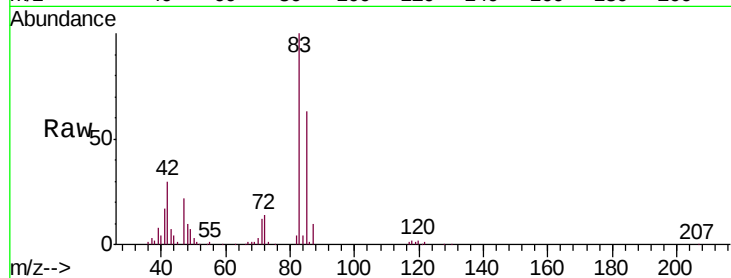
Tgt Ion: 42 Resp: 27524

Ion Ratio Lower Upper

42 100

72 47.5 39.6 59.4

71 38.8 33.6 50.4



#42

1-Chlorobutane

Concen: 5.004 ug/l

RT: 5.04 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VU034469.D

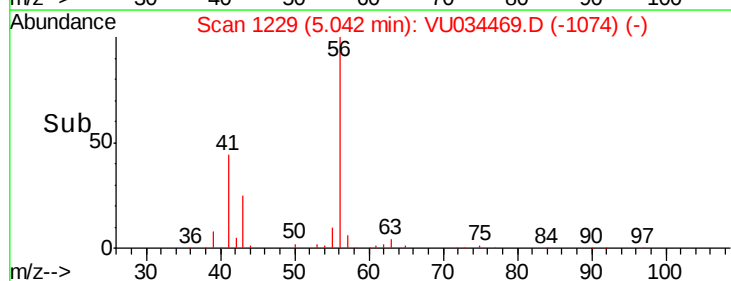
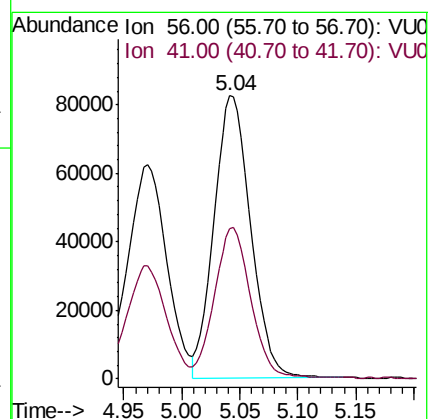
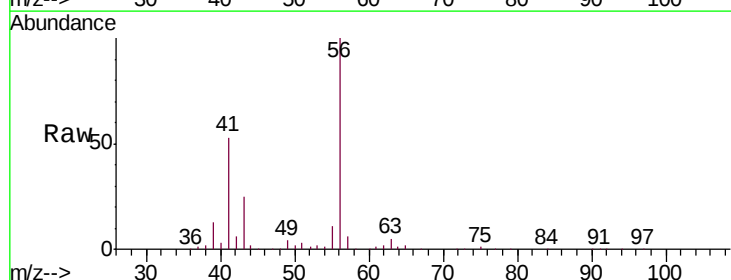
Acq: 11 Sep 2019 11:07

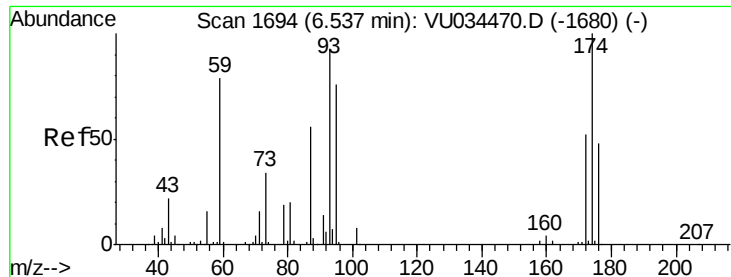
Tgt Ion: 56 Resp: 181620

Ion Ratio Lower Upper

56 100

41 52.7 25.5 76.5





#43

Dibromomethane

Concen: 4.145 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034469.D

Acq: 11 Sep 2019 11:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

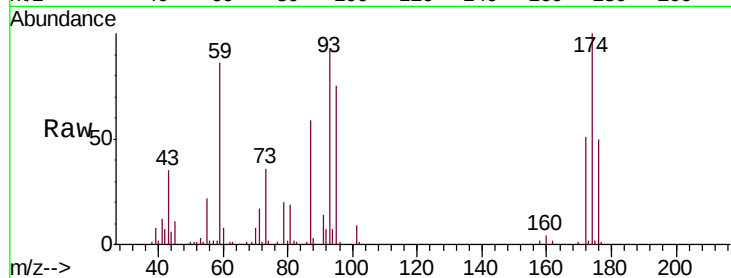
Tgt Ion: 93 Resp: 47735

Ion Ratio Lower Upper

93 100

95 82.2 67.1 100.7

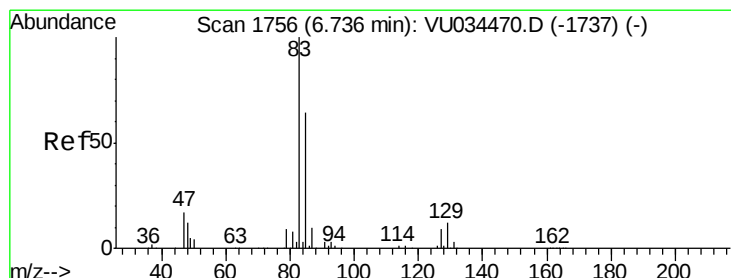
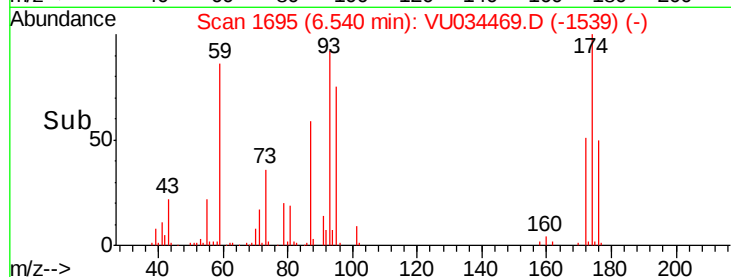
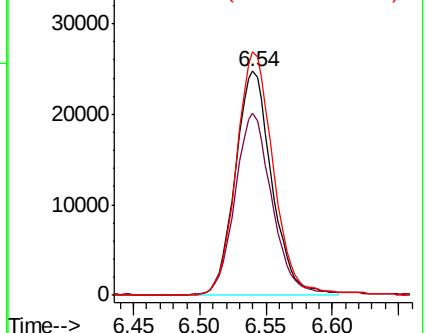
174 109.4 88.7 133.1



Abundance Ion 93.00 (92.70 to 93.70): VU034470.D (-1680) (-)

Ion 95.00 (94.70 to 95.70): VU034470.D (-1680) (-)

Ion 174.00 (173.70 to 174.70): VU034470.D (-1680) (-)



#44

Bromodichloromethane

Concen: 4.350 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU034469.D

Acq: 11 Sep 2019 11:07

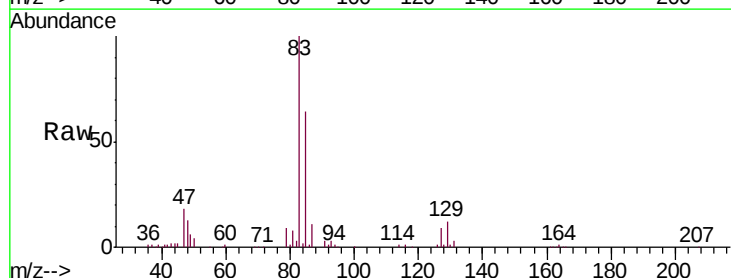
Tgt Ion: 83 Resp: 122623

Ion Ratio Lower Upper

83 100

85 64.3 51.1 76.7

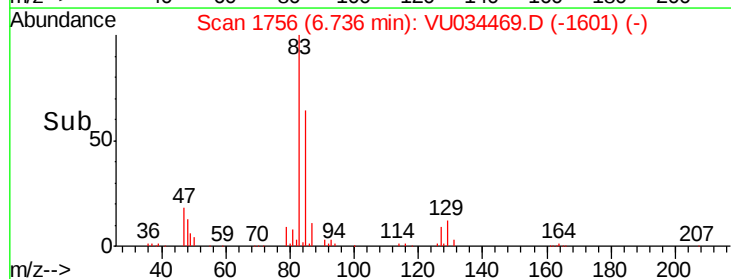
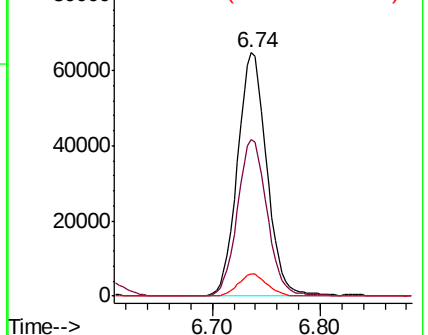
127 9.2 7.1 10.7

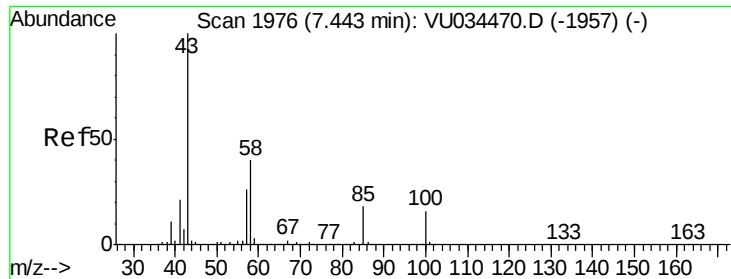


Abundance Ion 83.00 (82.70 to 83.70): VU034470.D (-1737) (-)

Ion 85.00 (84.70 to 85.70): VU034470.D (-1737) (-)

Ion 127.00 (126.70 to 127.70): VU034470.D (-1737) (-)

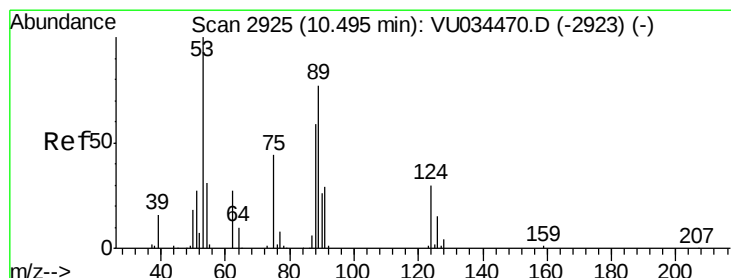
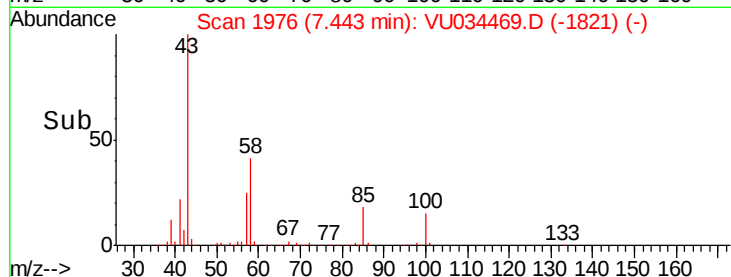
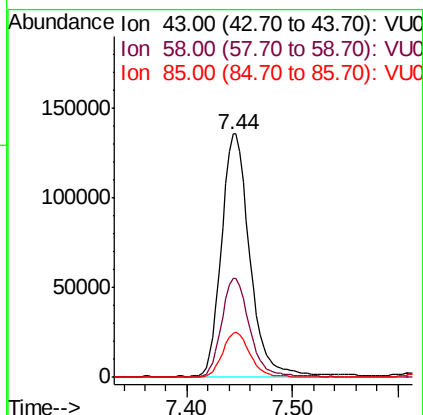
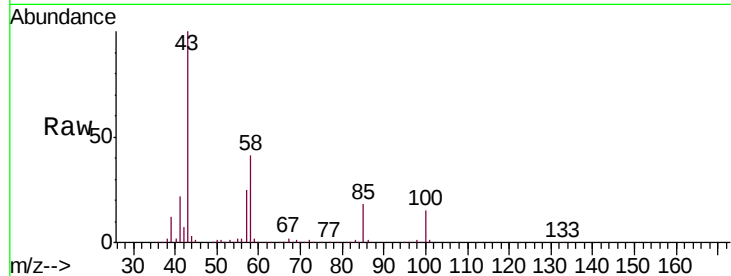




#45
 4-Methyl-2-Pentanone
 Concen: 21.430 ug/l
 RT: 7.44 min Scan# 1976
 Delta R.T. -0.00 min
 Lab File: VU034469.D
 Acq: 11 Sep 2019 11:07

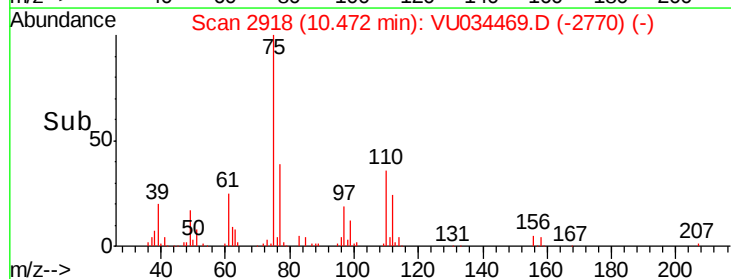
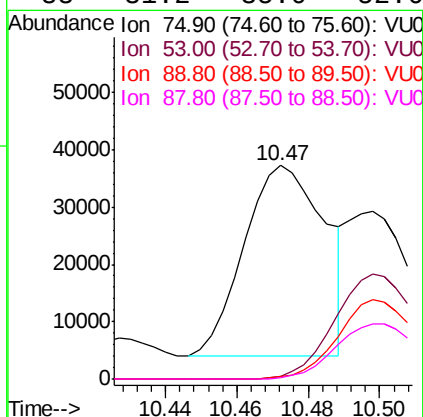
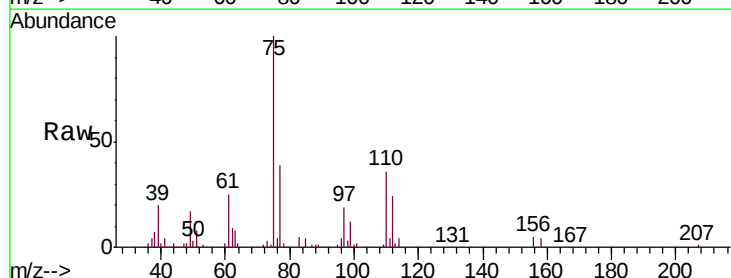
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

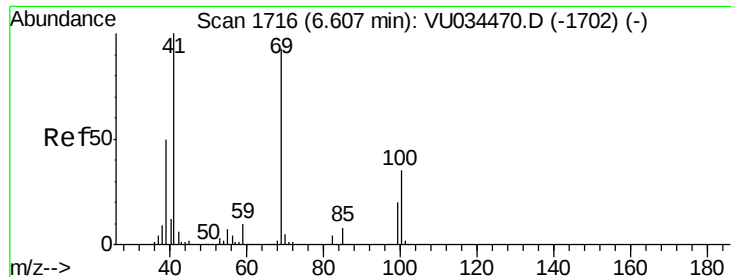
Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.6	20.2	60.6
85	18.2	14.6	21.8



#46
 t-1,4-Dichloro-2-butene
 Concen: 11.279 ug/l
 RT: 10.47 min Scan# 2918
 Delta R.T. -0.02 min
 Lab File: VU034469.D
 Acq: 11 Sep 2019 11:07

Tgt Ion	Ratio	Lower	Upper
75	100		
53	58.3	63.3	94.9#
89	42.1	46.2	69.2#
88	31.2	35.0	52.6#

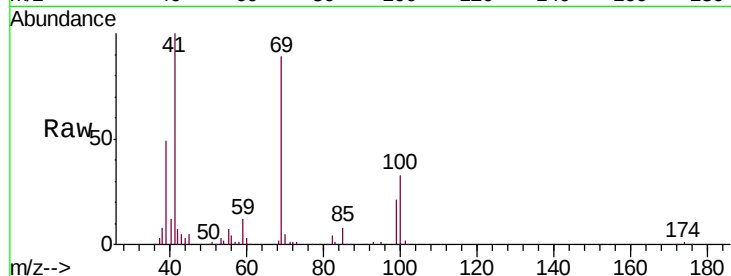




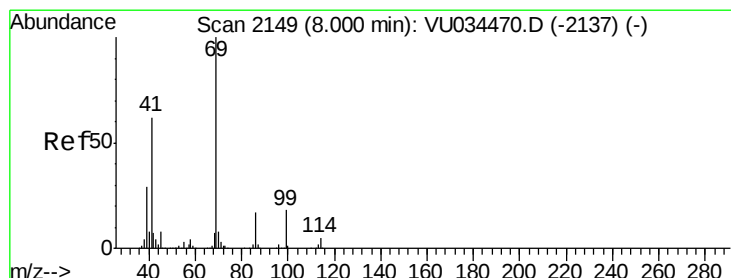
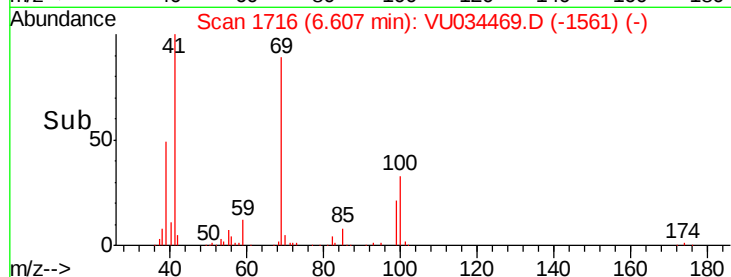
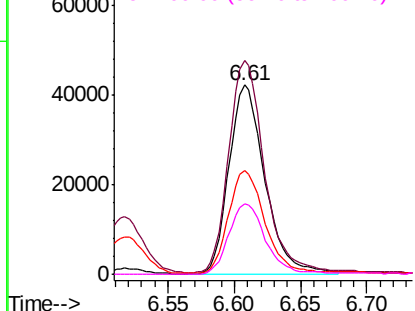
#47
Methyl methacrylate
Concen: 9.114 ug/l
RT: 6.61 min Scan# 1716
Delta R.T. -0.00 min
Lab File: VU034469.D
Acq: 11 Sep 2019 11:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 69 Resp: 80261
Ion Ratio Lower Upper
69 100
41 109.7 0.0 212.8
39 55.0 43.0 64.4
100 38.1 30.1 45.1

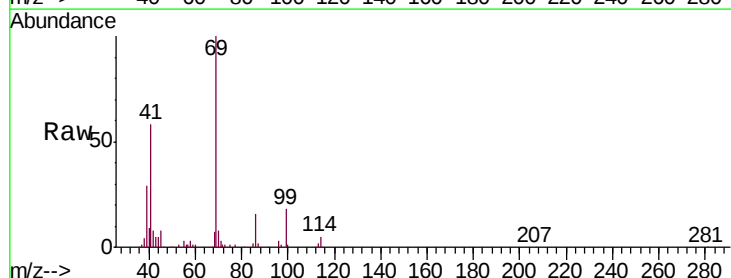


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

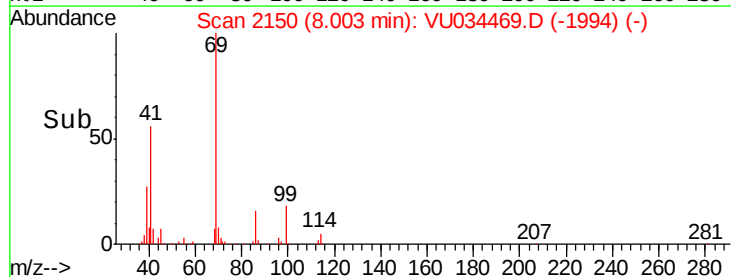
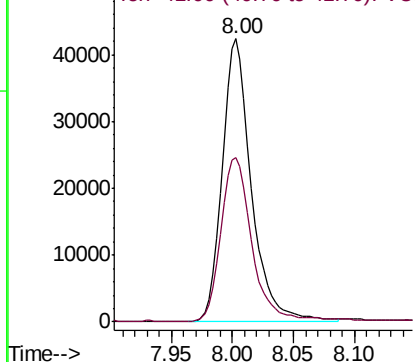


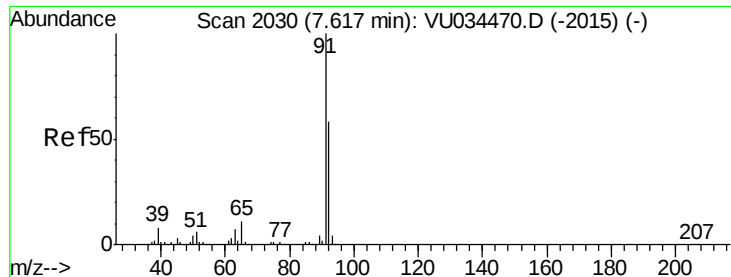
#48
Ethyl methacrylate
Concen: 4.572 ug/l
RT: 8.00 min Scan# 2150
Delta R.T. 0.00 min
Lab File: VU034469.D
Acq: 11 Sep 2019 11:07

Tgt Ion: 69 Resp: 71390
Ion Ratio Lower Upper
69 100
41 61.2 30.6 91.8



Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 5.342 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU034469.D

Acq: 11 Sep 2019 11:07

Instrument :

MSVOA_U

ClientSampleId :

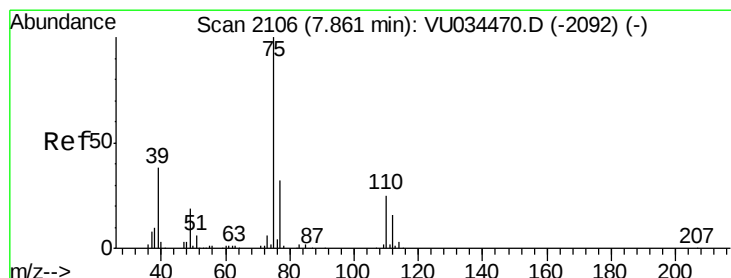
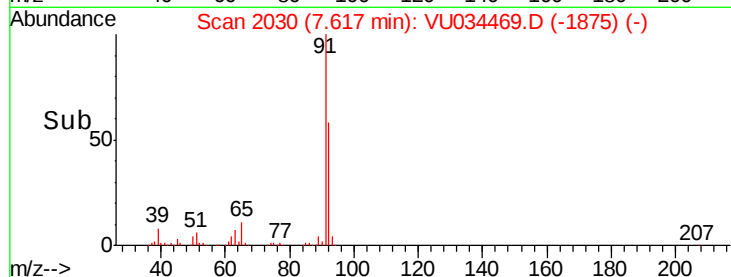
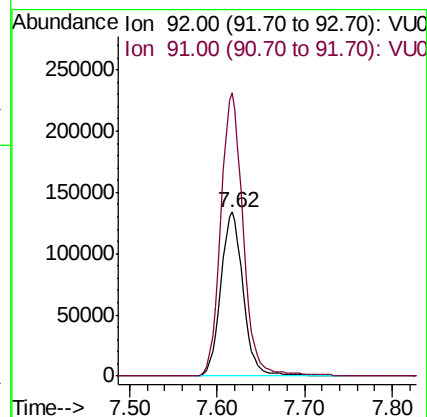
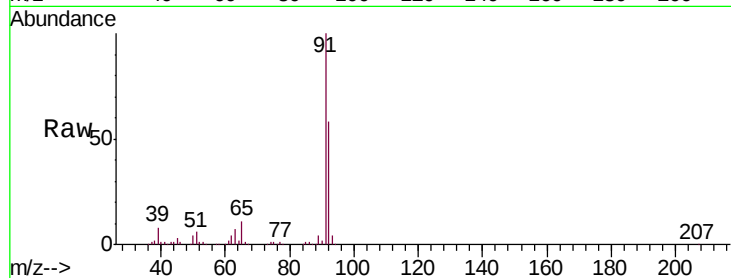
VSTDIC005

Tgt Ion: 92 Resp: 239031

Ion Ratio Lower Upper

92 100

91 172.2 138.6 208.0



#50

t-1,3-Dichloropropene

Concen: 4.420 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU034469.D

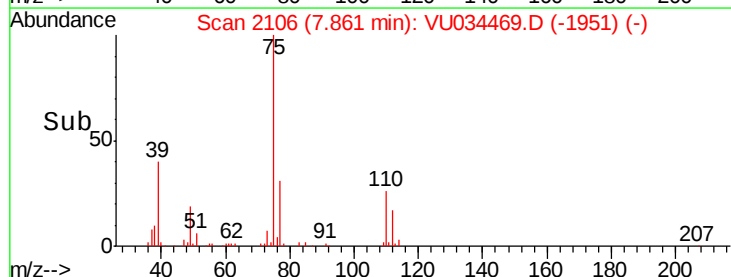
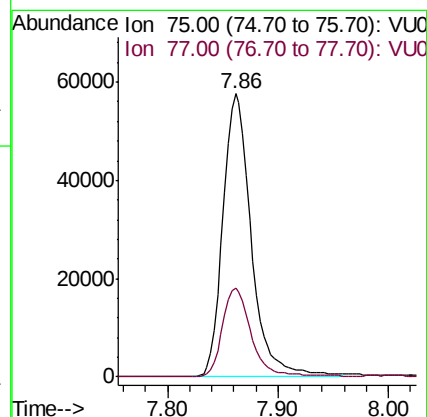
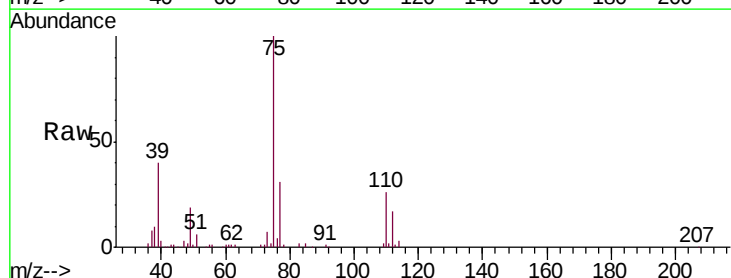
Acq: 11 Sep 2019 11:07

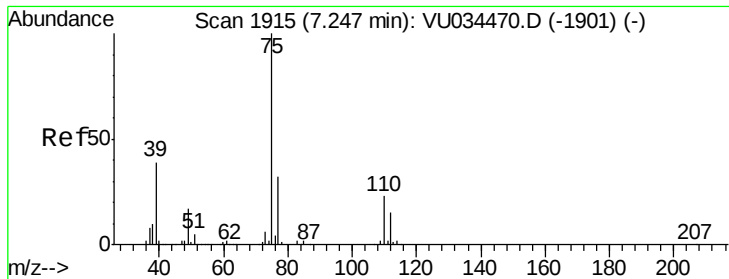
Tgt Ion: 75 Resp: 103212

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0



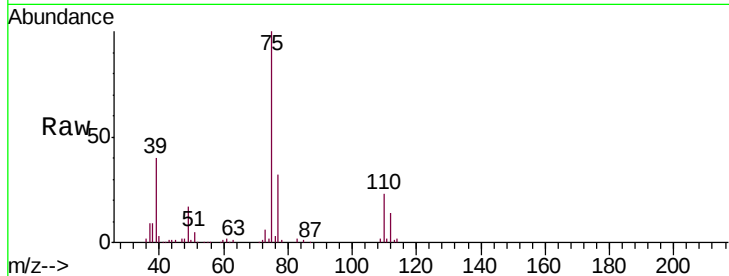


#51

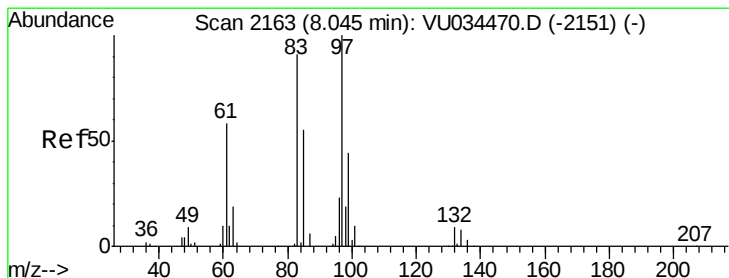
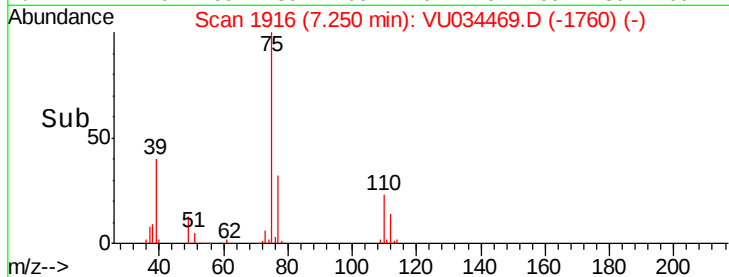
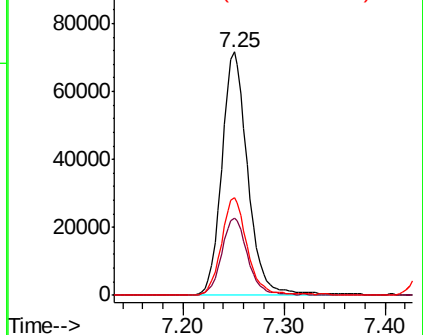
cis-1,3-Dichloropropene
 Concen: 4.595 ug/l
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU034469.D
 Acq: 11 Sep 2019 11:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.3	37.9
39	40.1	31.0	46.4



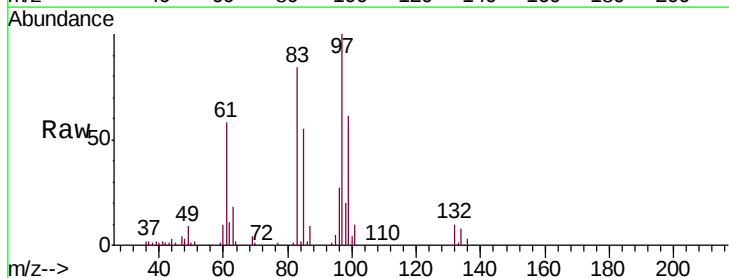
Abundance Ion 75.00 (74.70 to 75.70): VU034470.D (-1901) (-)
 Ion 77.00 (76.70 to 77.70): VU034470.D (-1901) (-)
 Ion 39.00 (38.70 to 39.70): VU034470.D (-1901) (-)



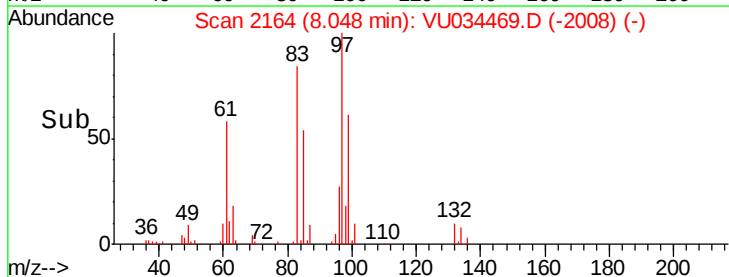
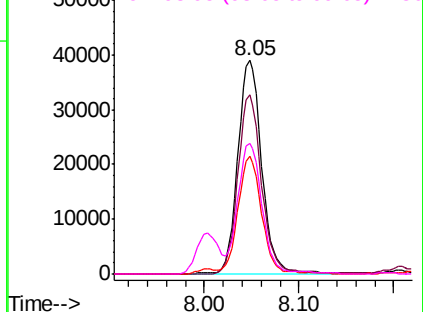
#52

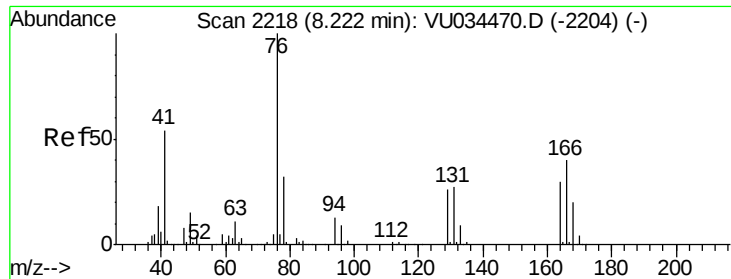
1,1,2-Trichloroethane
 Concen: 4.434 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034469.D
 Acq: 11 Sep 2019 11:07

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.8	72.5	108.7
85	54.9	45.4	68.0
99	61.0	51.3	76.9



Abundance Ion 97.00 (96.70 to 97.70): VU034470.D (-2151) (-)
 Ion 82.95 (82.65 to 83.65): VU034470.D (-2151) (-)
 Ion 84.95 (84.65 to 85.65): VU034470.D (-2151) (-)
 Ion 98.95 (98.65 to 99.65): VU034470.D (-2151) (-)





#53

1,3-Dichloropropane

Concen: 4.347 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU034469.D

Acq: 11 Sep 2019 11:07

Instrument :

MSVOA_U

ClientSampleId :

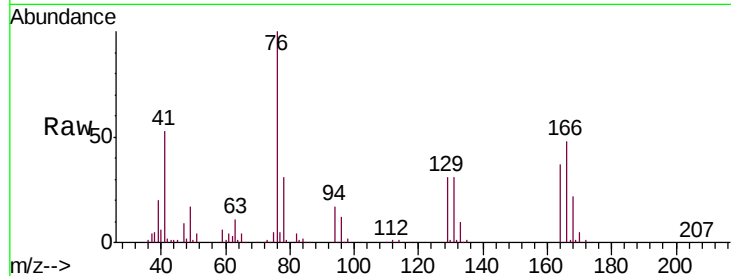
VSTDIC005

Tgt Ion: 76 Resp: 113824

Ion Ratio Lower Upper

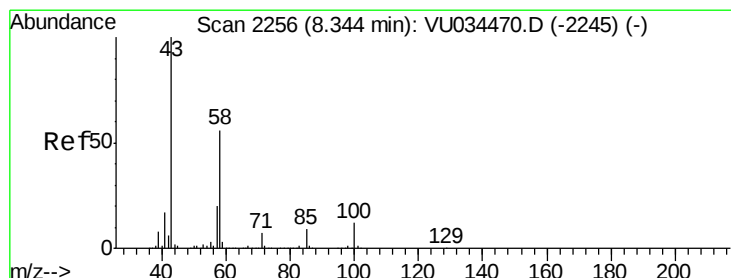
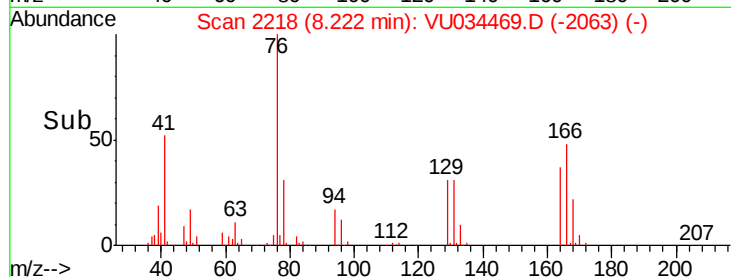
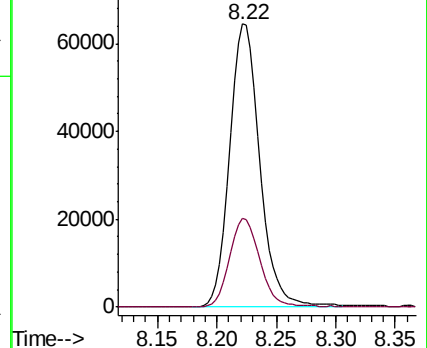
76 100

78 31.6 26.1 39.1



Abundance Ion 76.00 (75.70 to 76.70): VU034470.D (-2204) (-)

Ion 78.00 (77.70 to 78.70): VU034470.D (-2204) (-)



#54

2-Hexanone

Concen: 21.156 ug/l

RT: 8.35 min Scan# 2257

Delta R.T. 0.00 min

Lab File: VU034469.D

Acq: 11 Sep 2019 11:07

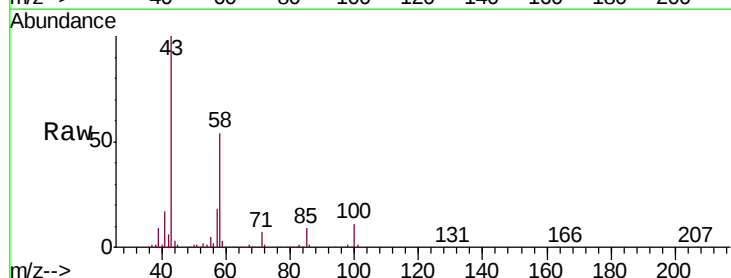
Tgt Ion: 43 Resp: 173542

Ion Ratio Lower Upper

43 100

58 54.1 36.4 76.4

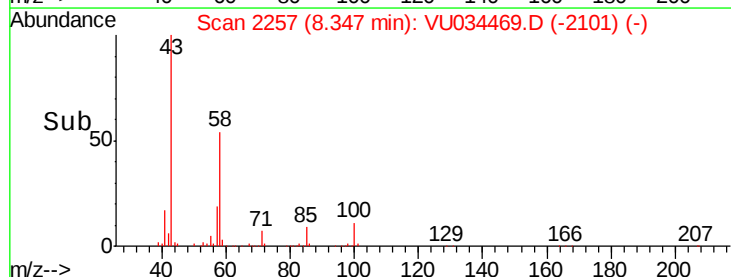
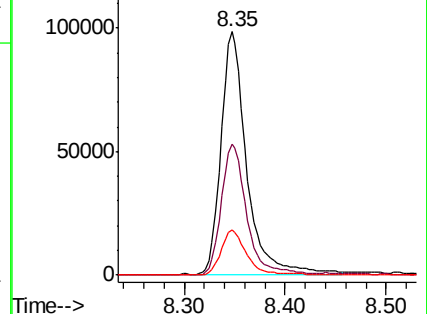
57 18.6 0.0 39.5

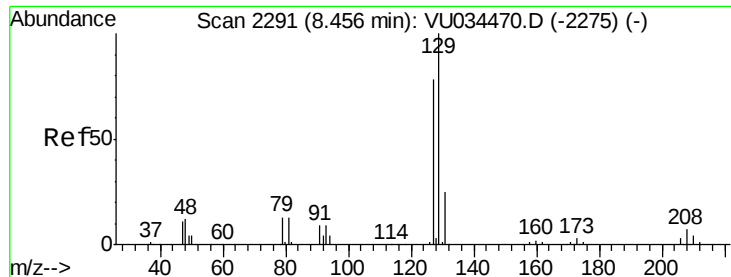


Abundance Ion 43.00 (42.70 to 43.70): VU034470.D (-2245) (-)

Ion 58.00 (57.70 to 58.70): VU034470.D (-2245) (-)

Ion 57.00 (56.70 to 57.70): VU034470.D (-2245) (-)





#55

Dibromochloromethane

Concen: 4.555 ug/l

RT: 8.46 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VU034469.D

Acq: 11 Sep 2019 11:07

Instrument :

MSVOA_U

ClientSampleId :

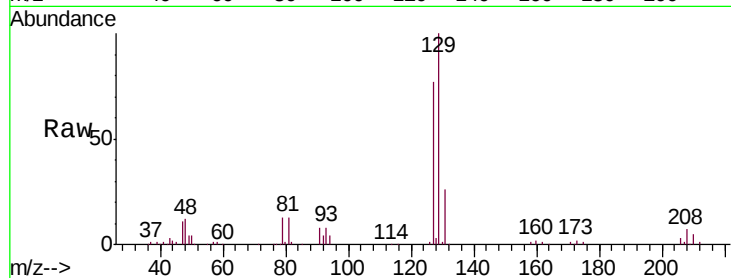
VSTDIC005

Tgt Ion:129 Resp: 82961

Ion Ratio Lower Upper

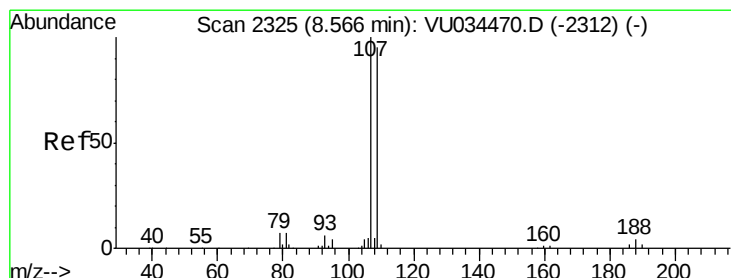
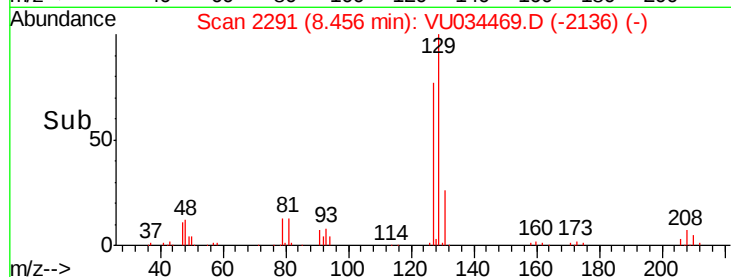
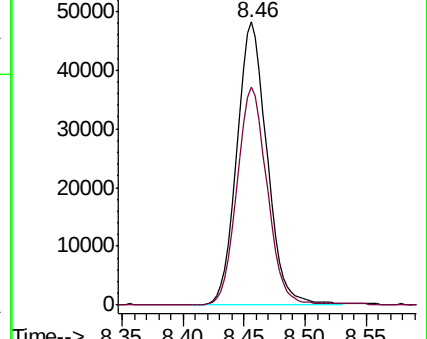
129 100

127 76.8 60.9 91.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 4.192 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU034469.D

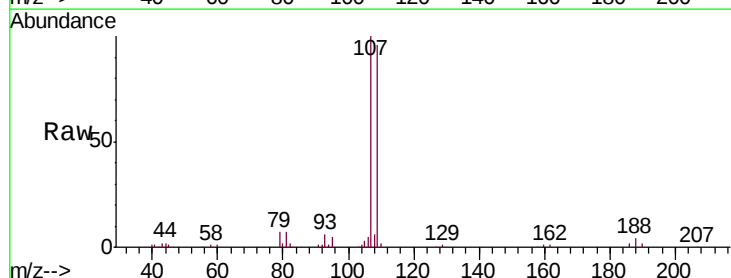
Acq: 11 Sep 2019 11:07

Tgt Ion:107 Resp: 60305

Ion Ratio Lower Upper

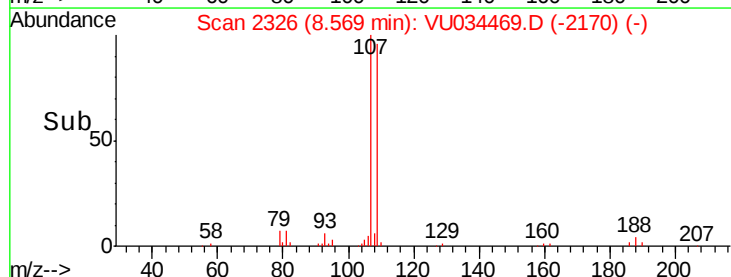
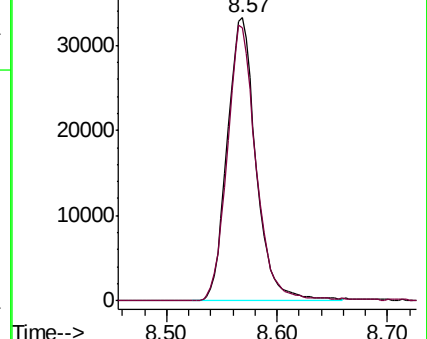
107 100

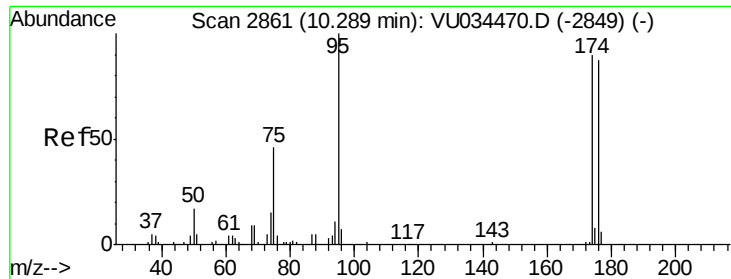
109 96.7 0.0 190.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 0.999 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VU034469.D

Acq: 11 Sep 2019 11:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

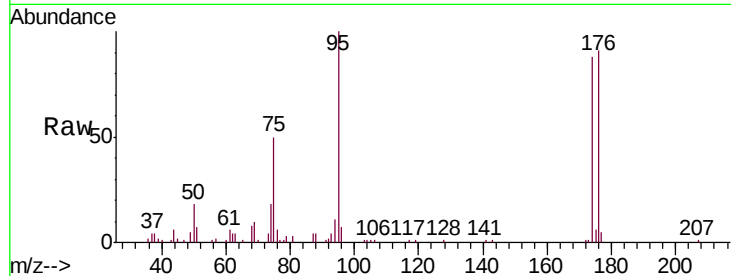
Tgt Ion: 95 Resp: 25255

Ion Ratio Lower Upper

95 100

174 92.6 70.1 105.1

176 86.4 67.7 101.5

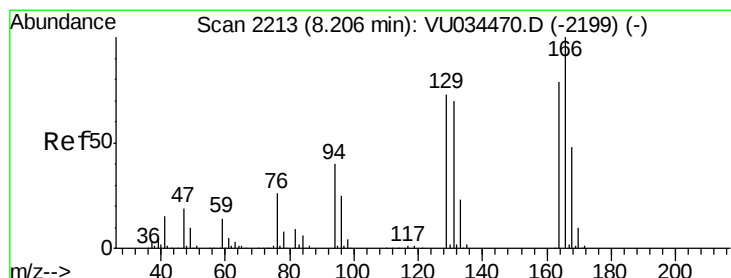
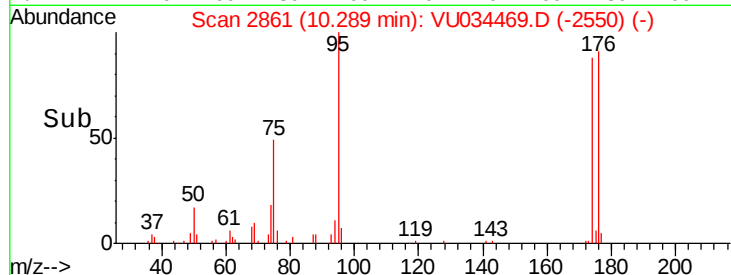
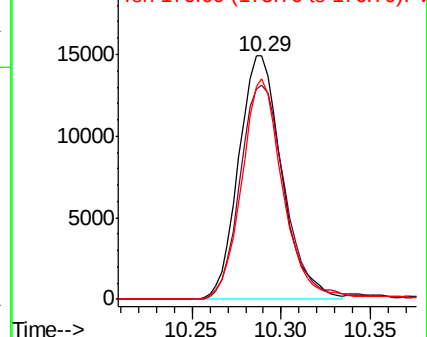


Abundance

Ion 95.00 (94.70 to 95.70): VU034470.D (-2849) (-)

Ion 174.00 (173.70 to 174.70): VU034470.D (-2849) (-)

Ion 176.00 (175.70 to 176.70): VU034470.D (-2849) (-)



#58

Tetrachloroethene

Concen: 5.439 ug/l

RT: 8.21 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VU034469.D

Acq: 11 Sep 2019 11:07

Tgt Ion: 164 Resp: 103398

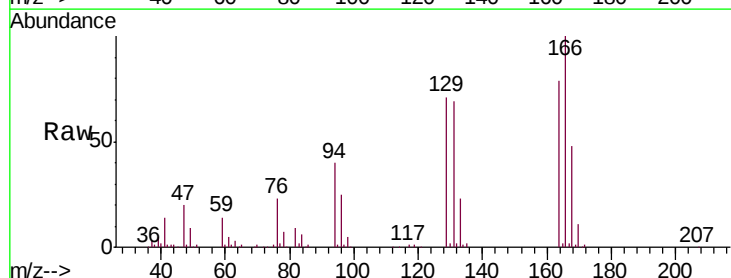
Ion Ratio Lower Upper

164 100

166 126.5 101.5 152.3

129 90.3 73.8 110.8

131 87.7 71.5 107.3



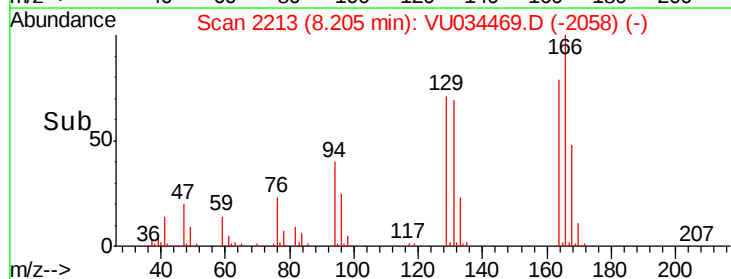
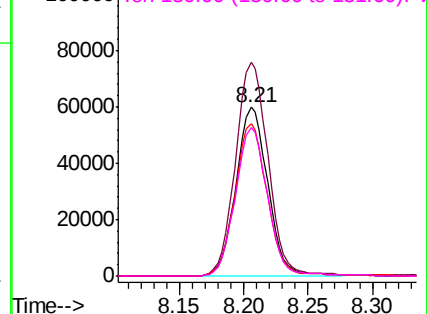
Abundance

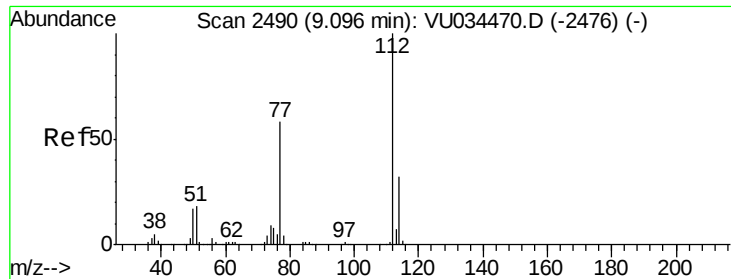
Ion 163.85 (163.55 to 164.55): VU034470.D (-2199) (-)

Ion 165.80 (165.50 to 166.50): VU034470.D (-2199) (-)

Ion 128.90 (128.60 to 129.60): VU034470.D (-2199) (-)

Ion 130.90 (130.60 to 131.60): VU034470.D (-2199) (-)

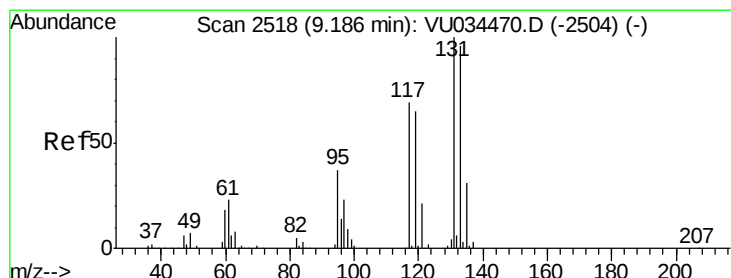
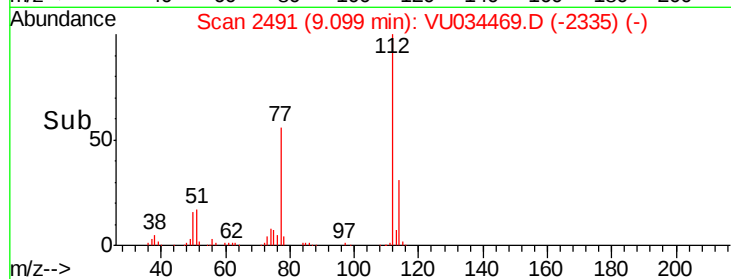
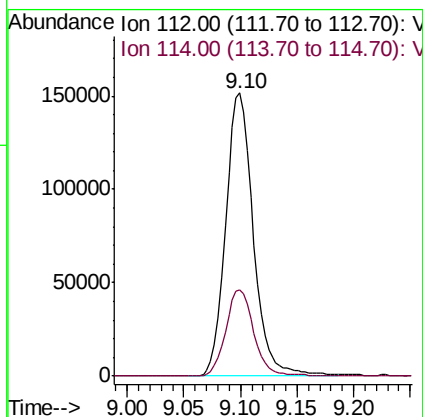
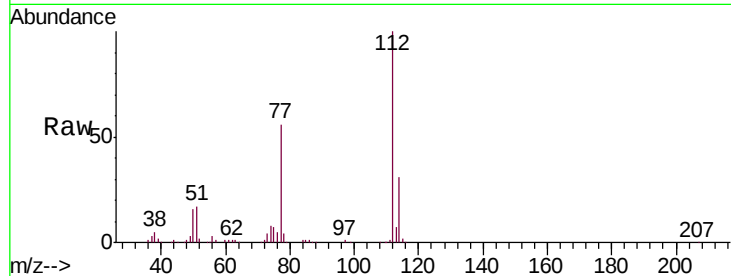




#59
Chlorobenzene
Concen: 5.057 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034469.D
Acq: 11 Sep 2019 11:07

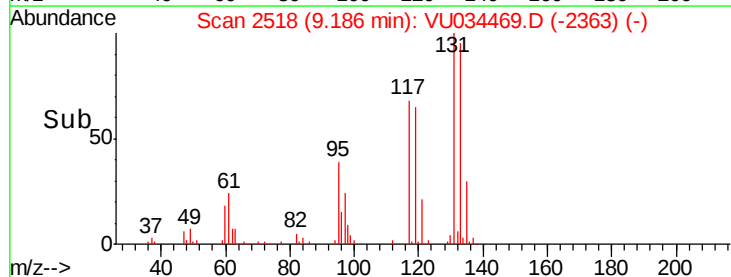
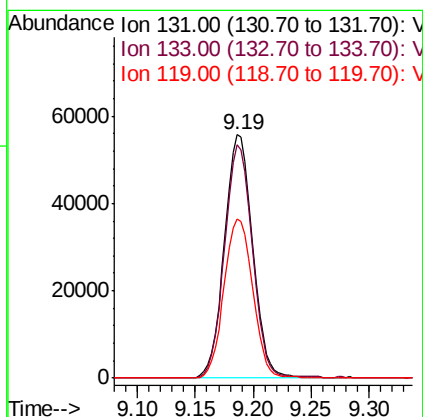
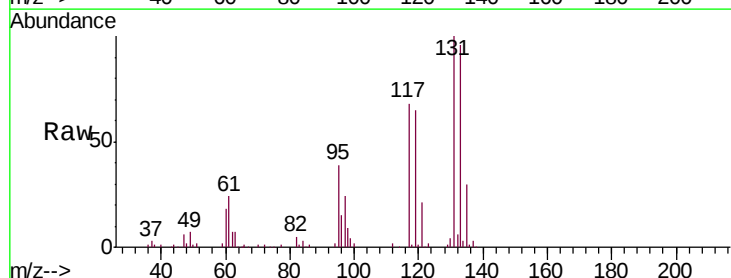
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

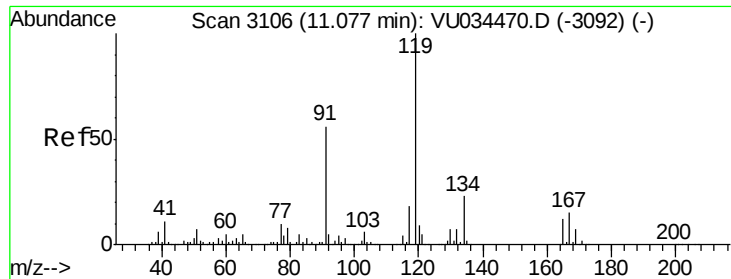
Tgt Ion:112 Resp: 258694
Ion Ratio Lower Upper
112 100
114 30.6 25.6 38.4



#60
1,1,1,2-Tetrachloroethane
Concen: 4.836 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: VU034469.D
Acq: 11 Sep 2019 11:07

Tgt Ion:131 Resp: 93845
Ion Ratio Lower Upper
131 100
133 94.7 76.8 115.2
119 66.5 52.4 78.6

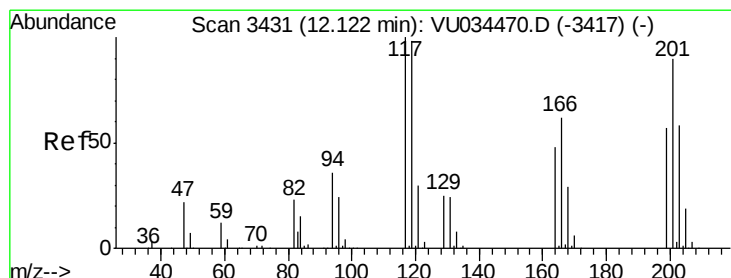
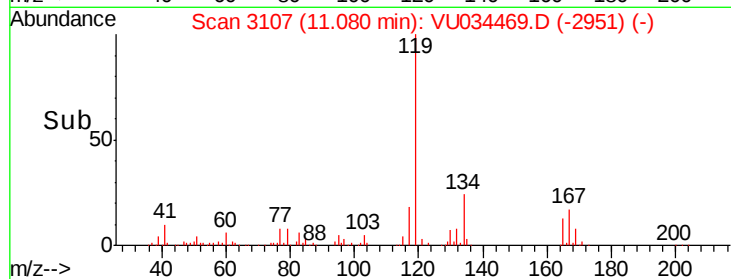
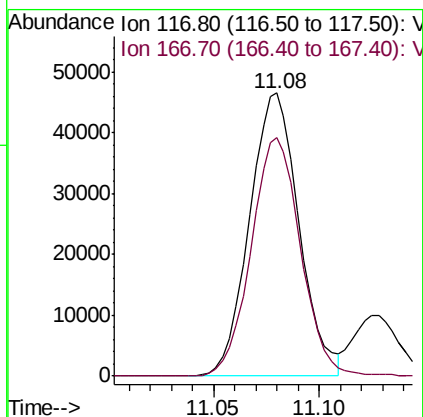
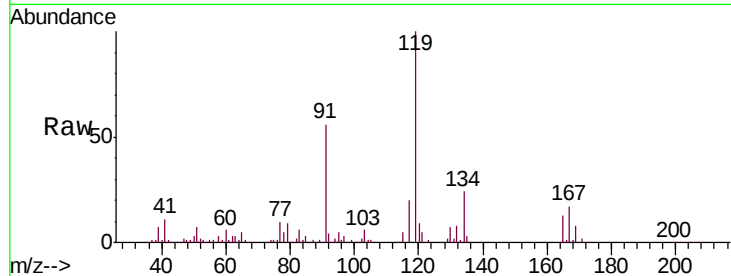




#61
 Pentachloroethane
 Concen: 4.787 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. 0.00 min
 Lab File: VU034469.D
 Acq: 11 Sep 2019 11:07

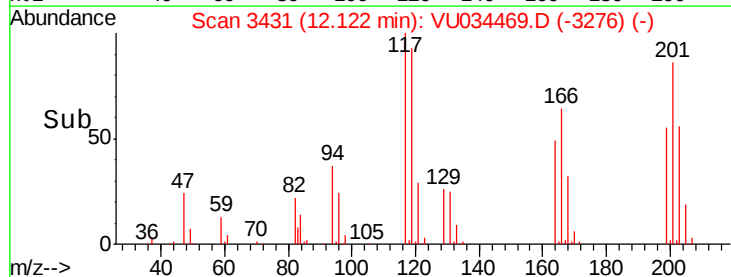
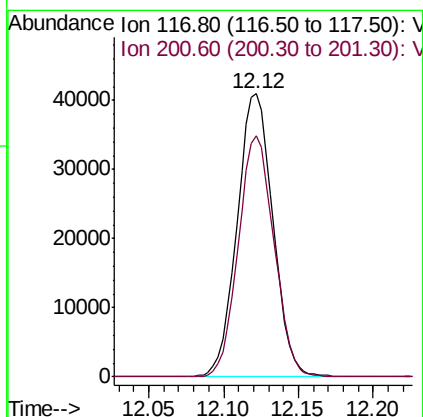
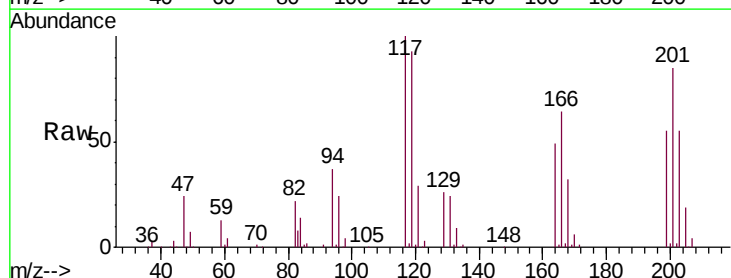
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

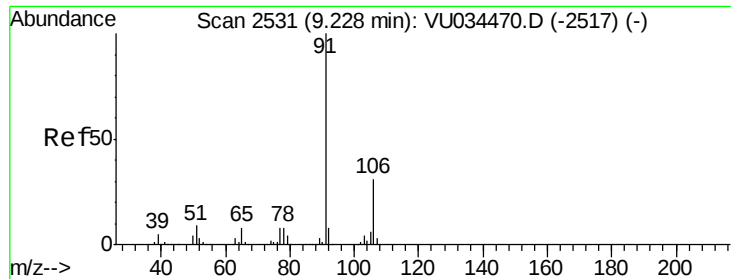
Tgt Ion:117 Resp: 75876
 Ion Ratio Lower Upper
 117 100
 167 84.3 70.7 106.1



#62
 Hexachloroethane
 Concen: 4.486 ug/l
 RT: 12.12 min Scan# 3431
 Delta R.T. -0.00 min
 Lab File: VU034469.D
 Acq: 11 Sep 2019 11:07

Tgt Ion:117 Resp: 67837
 Ion Ratio Lower Upper
 117 100
 201 85.5 71.8 107.8

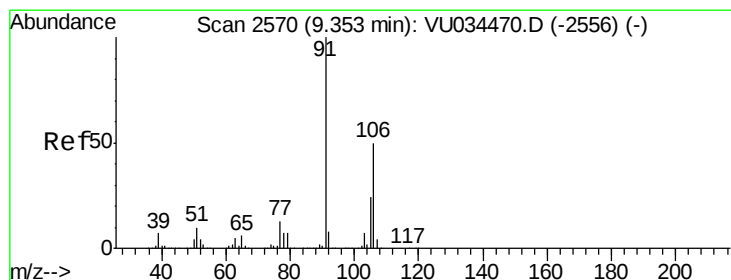
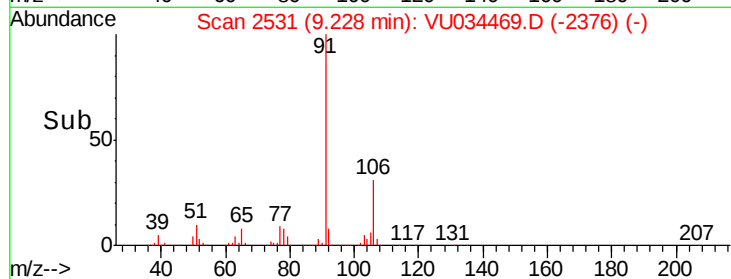
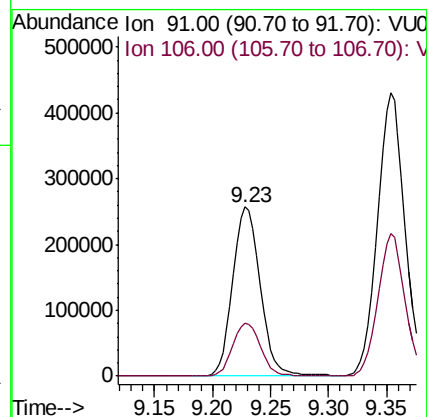
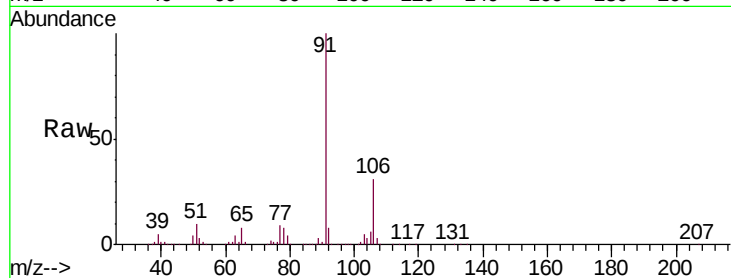




#63
Ethyl Benzene
Concen: 5.152 ug/l
RT: 9.23 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU034469.D
Acq: 11 Sep 2019 11:07

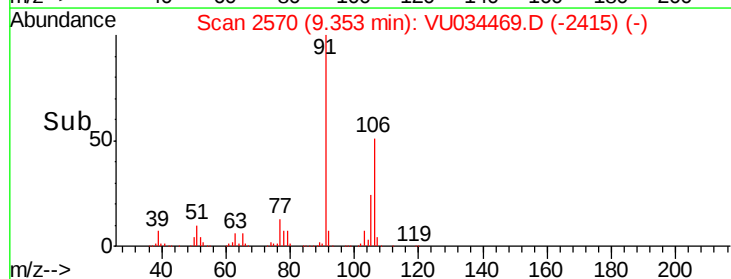
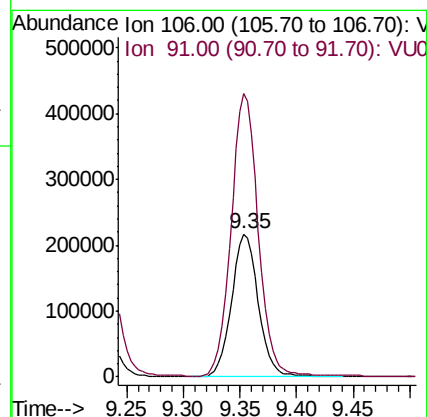
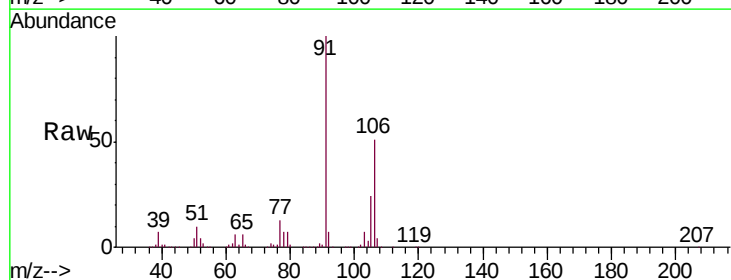
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

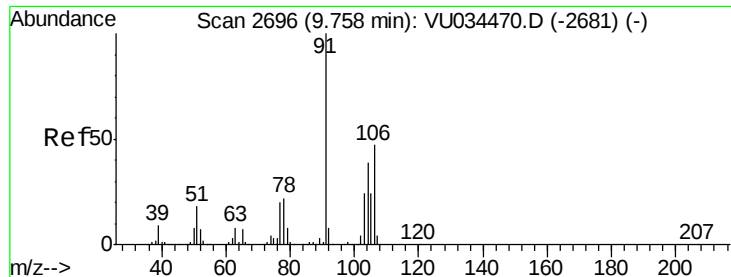
Tgt Ion: 91 Resp: 423541
Ion Ratio Lower Upper
91 100
106 31.2 25.2 37.8



#64
m/p-Xylenes
Concen: 10.795 ug/l
RT: 9.35 min Scan# 2570
Delta R.T. -0.00 min
Lab File: VU034469.D
Acq: 11 Sep 2019 11:07

Tgt Ion: 106 Resp: 355699
Ion Ratio Lower Upper
106 100
91 202.5 161.8 242.6

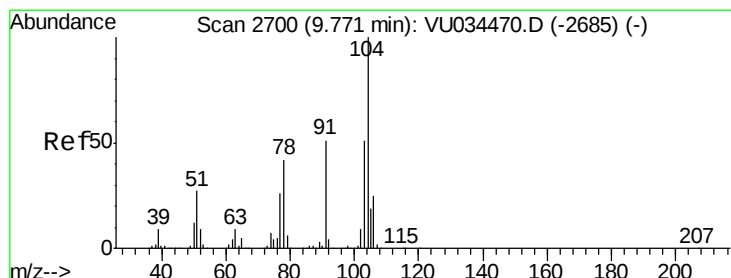
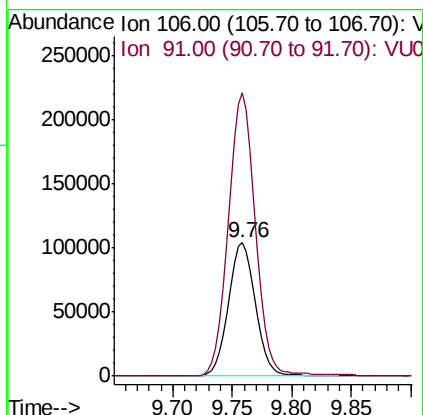
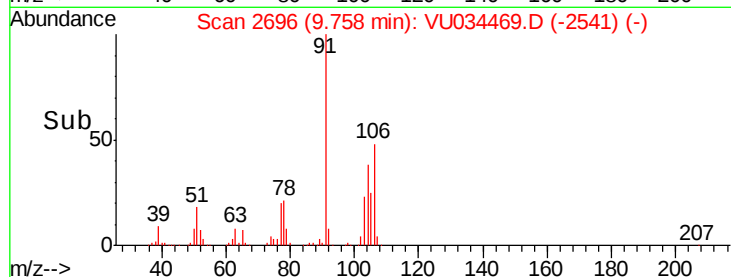
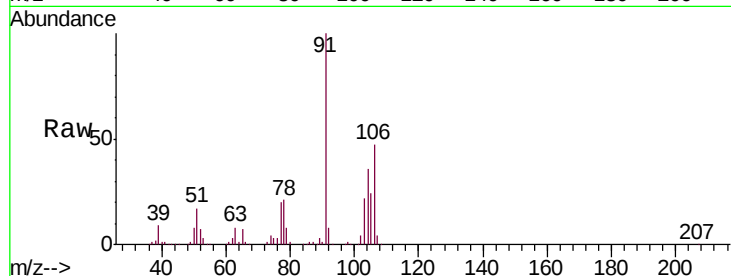




#65
o-Xylene
Concen: 5.236 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034469.D
Acq: 11 Sep 2019 11:07

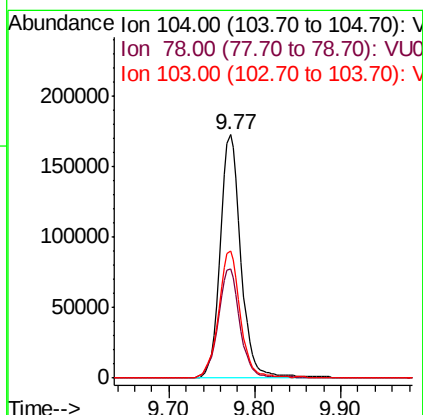
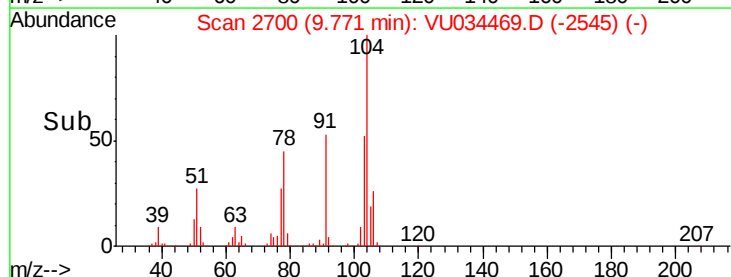
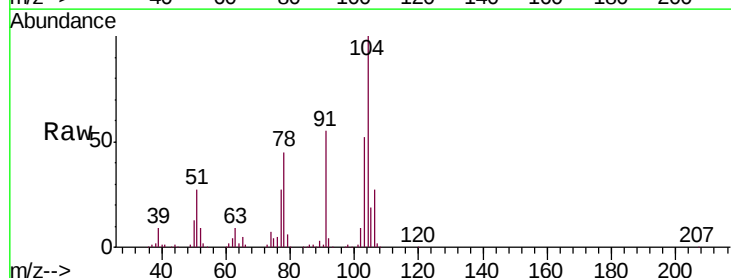
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

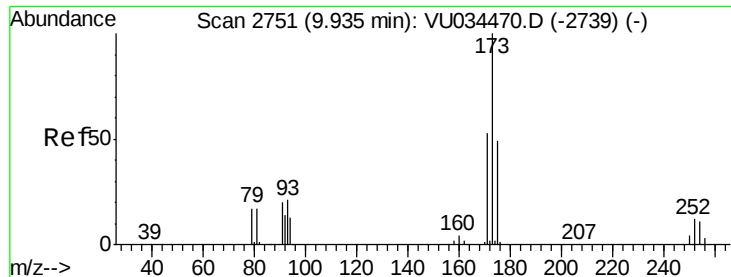
Tgt Ion:106 Resp: 165144
Ion Ratio Lower Upper
106 100
91 210.4 104.7 313.9



#66
Styrene
Concen: 5.435 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034469.D
Acq: 11 Sep 2019 11:07

Tgt Ion:104 Resp: 289413
Ion Ratio Lower Upper
104 100
78 47.5 37.8 56.6
103 54.7 43.8 65.8





#67

Bromoform

Concen: 4.670 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VU034469.D

Acq: 11 Sep 2019 11:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

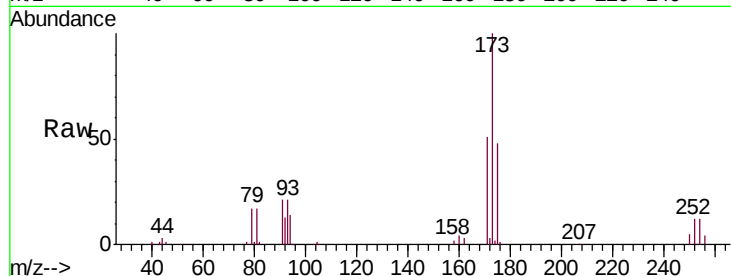
Tgt Ion:173 Resp: 46458

Ion Ratio Lower Upper

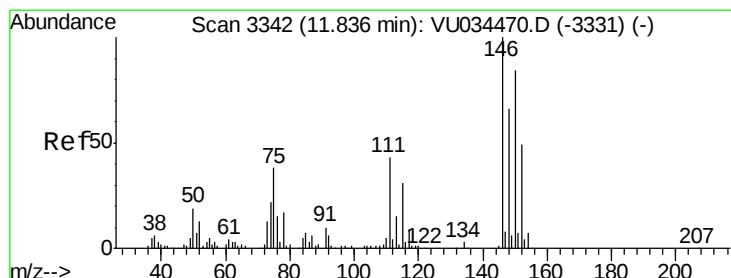
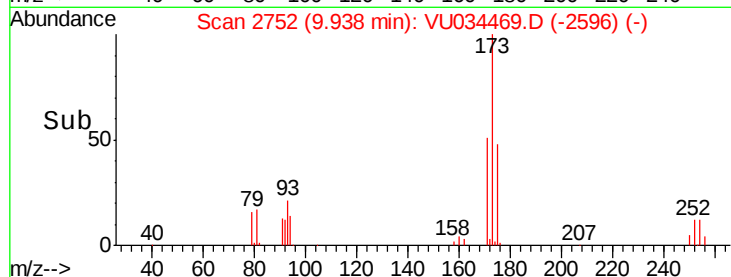
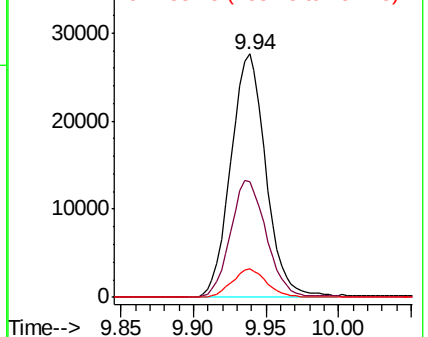
173 100

175 49.3 39.1 58.7

254 11.4 8.6 13.0



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 1.025 ug/l

RT: 11.84 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VU034469.D

Acq: 11 Sep 2019 11:07

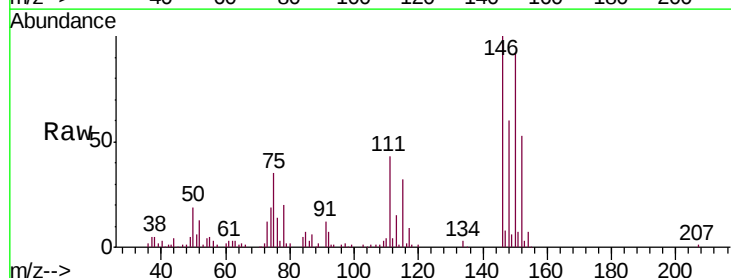
Tgt Ion:152 Resp: 27129

Ion Ratio Lower Upper

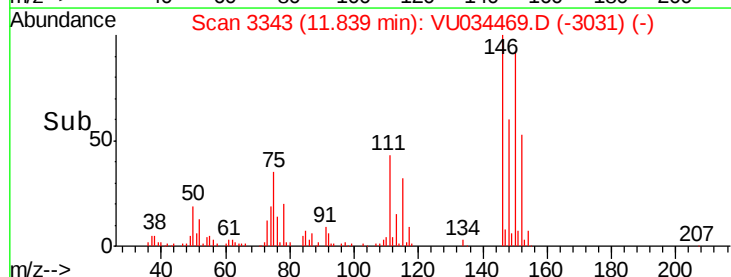
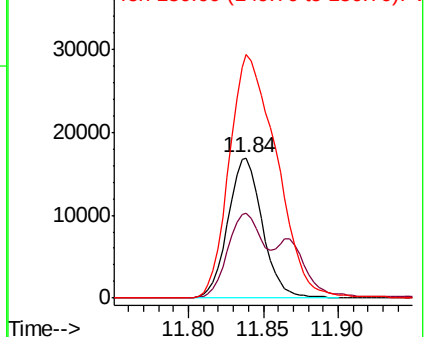
152 100

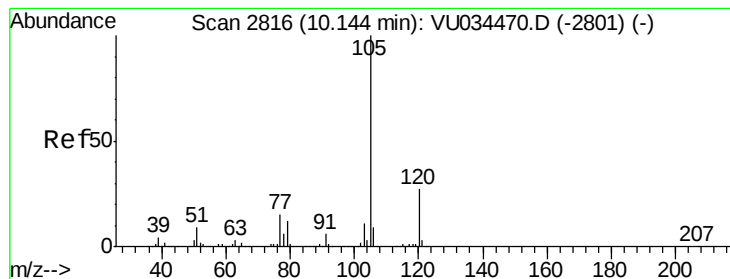
115 62.1 0.0 126.6

150 239.4 0.0 633.6



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 5.383 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034469.D

Acq: 11 Sep 2019 11:07

Instrument :

MSVOA_U

ClientSampleId :

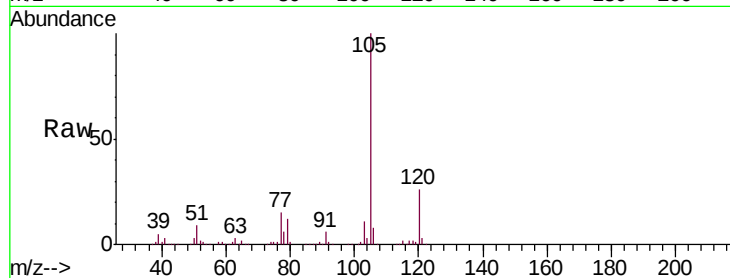
VSTDIC005

Tgt Ion:105 Resp: 436484

Ion Ratio Lower Upper

105 100

120 26.5 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.14

250000

200000

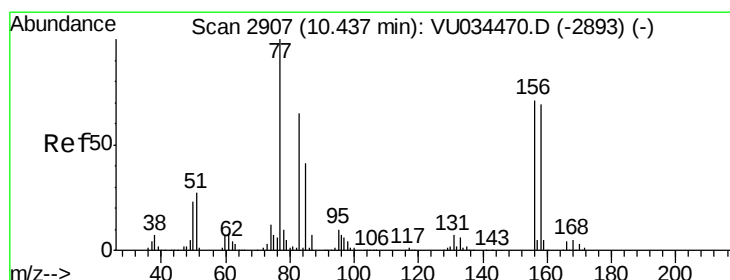
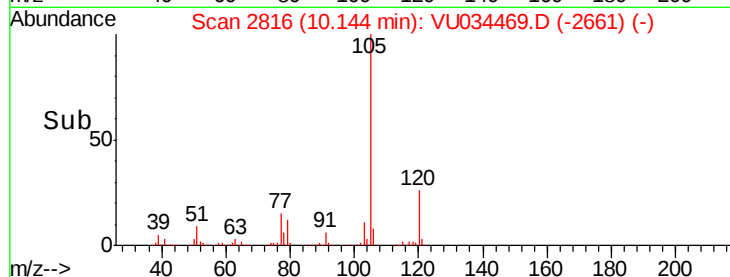
150000

100000

50000

0

Time-->



#70

1,1,2,2-Tetrachloroethane

Concen: 4.202 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034469.D

Acq: 11 Sep 2019 11:07

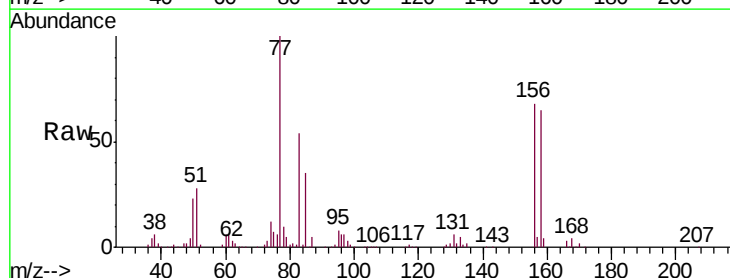
Tgt Ion: 83 Resp: 85883

Ion Ratio Lower Upper

83 100

131 10.2 8.2 12.4

85 64.4 51.9 77.9



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

10.43

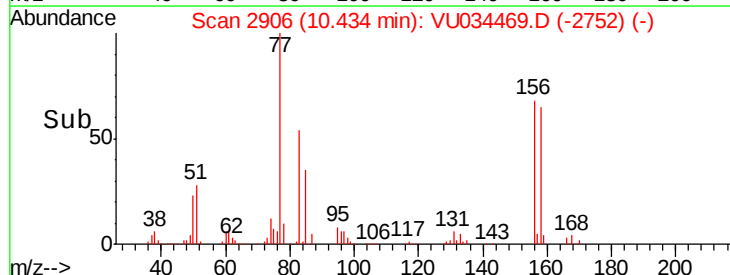
60000

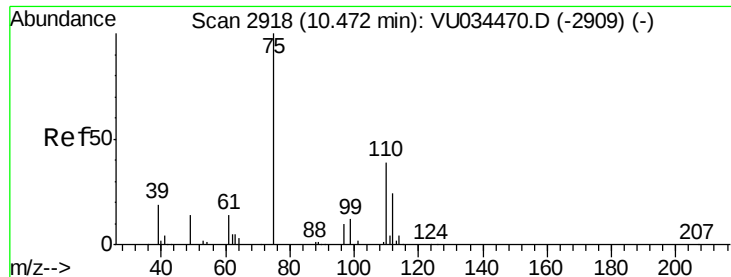
40000

20000

0

Time-->





#71

1,2,3-Trichloropropane

Concen: 3.298 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034469.D

Acq: 11 Sep 2019 11:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 75 Resp: 52251

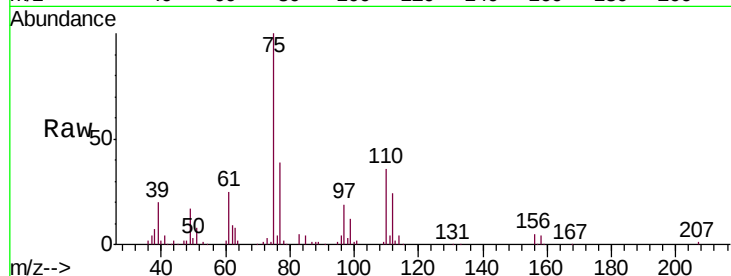
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 41.1 0.0 66.8

97 22.5 0.0 35.6

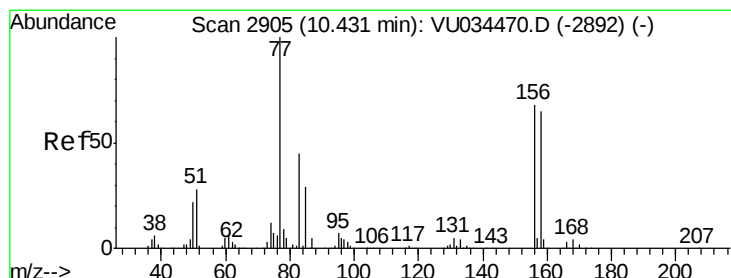
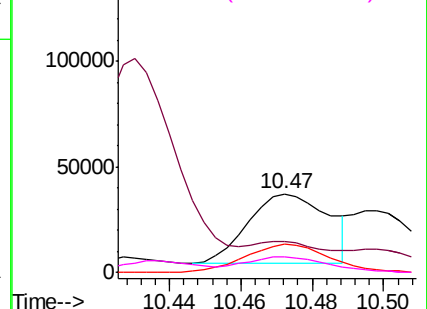
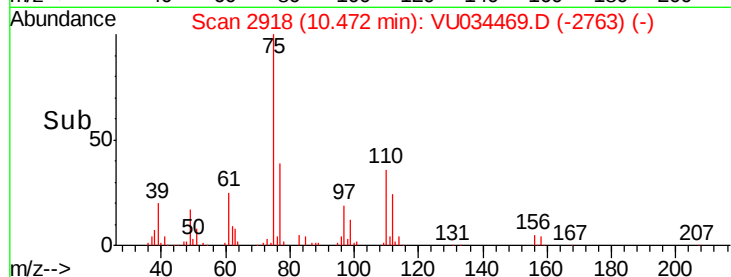


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 97.00 (96.70 to 97.70): VU0



#72

Bromobenzene

Concen: 5.301 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034469.D

Acq: 11 Sep 2019 11:07

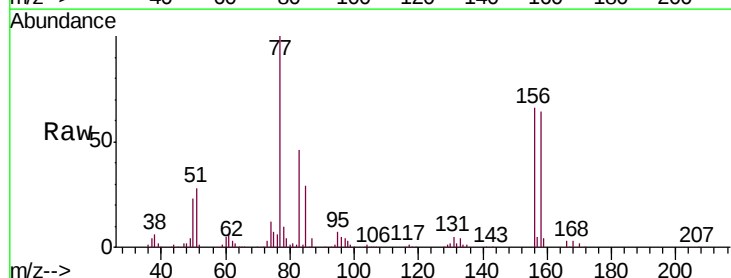
Tgt Ion: 156 Resp: 113710

Ion Ratio Lower Upper

156 100

77 145.9 0.0 293.6

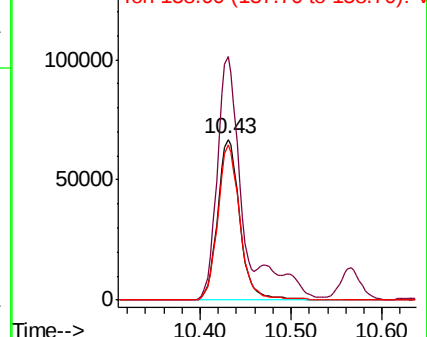
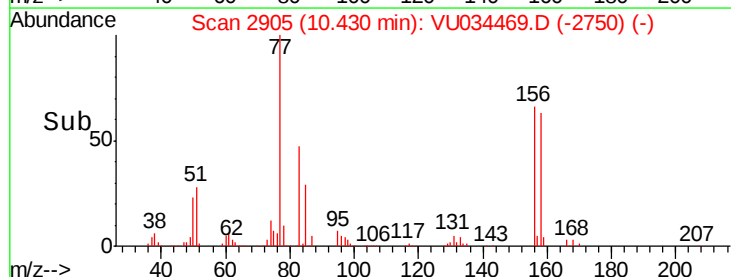
158 96.3 0.0 192.6

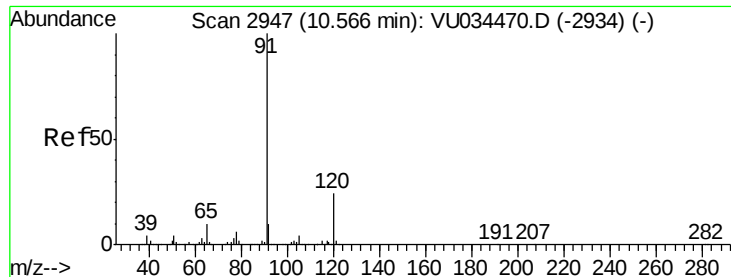


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 5.509 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. -0.00 min

Lab File: VU034469.D

Acq: 11 Sep 2019 11:07

Instrument :

MSVOA_U

ClientSampleId :

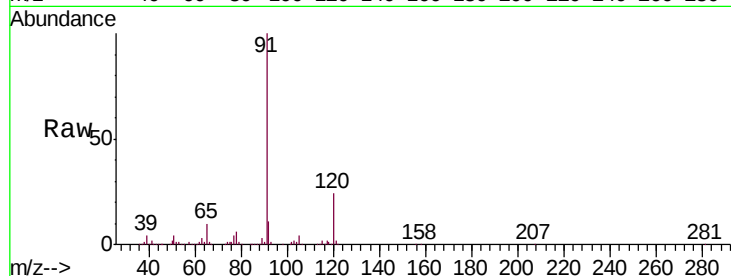
VSTDIC005

Tgt Ion:120 Resp: 127594

Ion Ratio Lower Upper

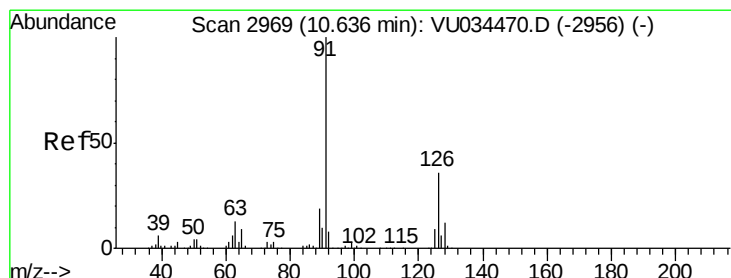
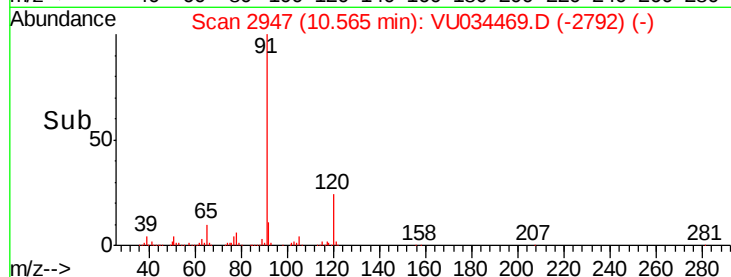
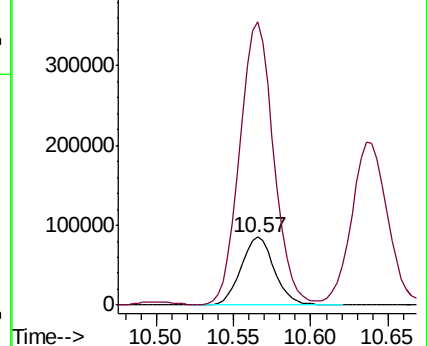
120 100

91 422.5 339.1 508.7



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 5.454 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. 0.00 min

Lab File: VU034469.D

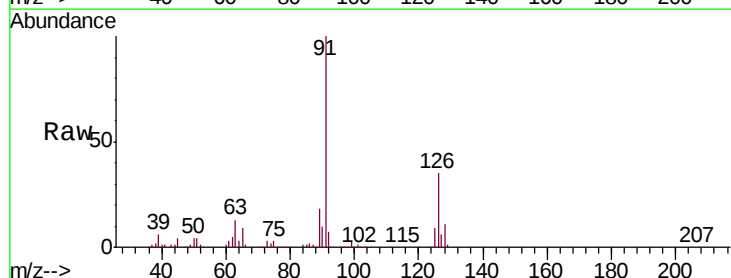
Acq: 11 Sep 2019 11:07

Tgt Ion:126 Resp: 114653

Ion Ratio Lower Upper

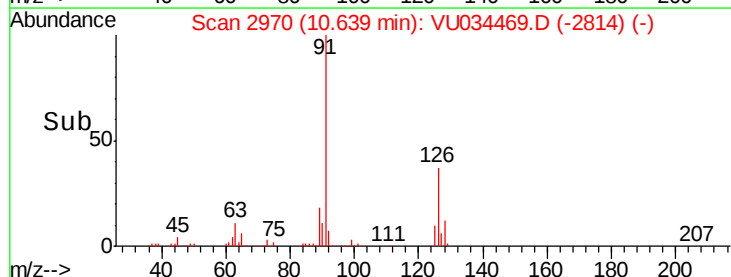
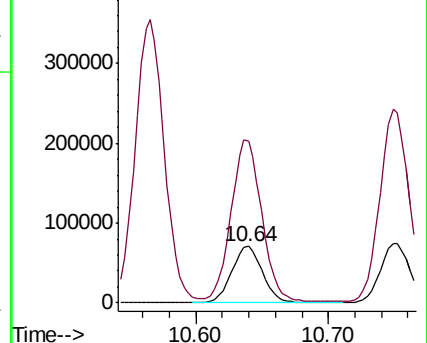
126 100

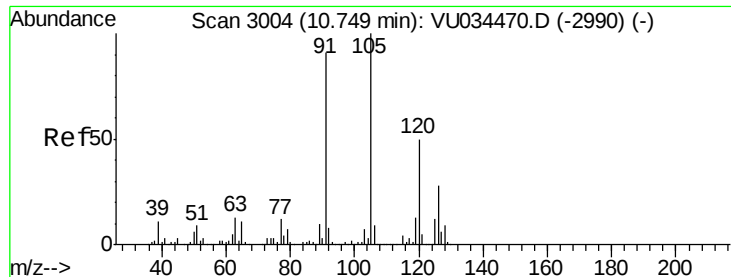
91 289.7 0.0 582.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 5.592 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VU034469.D

Acq: 11 Sep 2019 11:07

Instrument :

MSVOA_U

ClientSampleId :

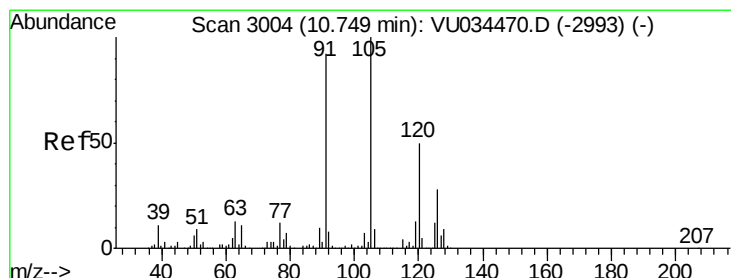
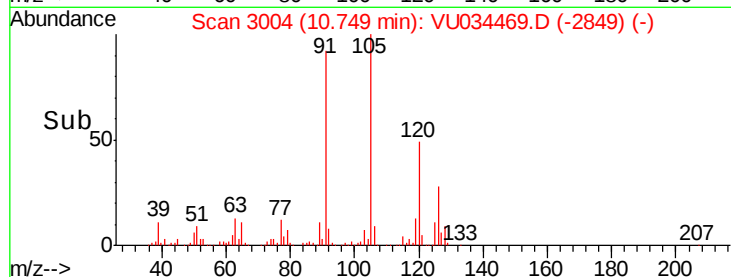
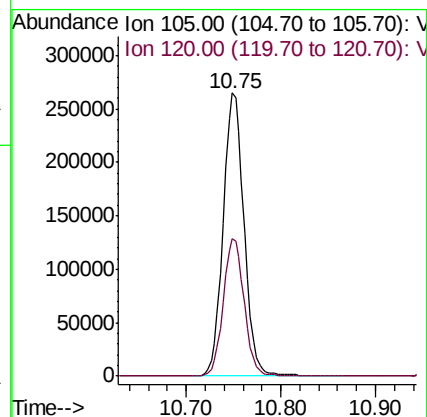
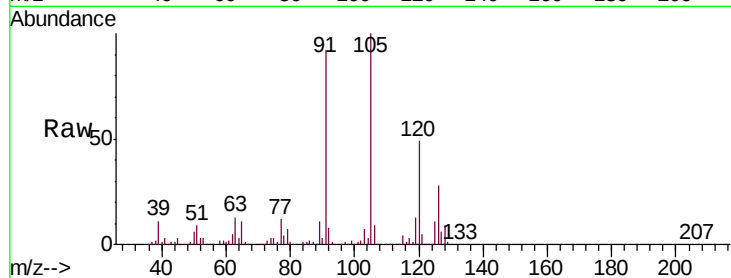
VSTDIC005

Tgt Ion:105 Resp: 405477

Ion Ratio Lower Upper

105 100

120 48.7 39.8 59.8



#76

4-Chlorotoluene

Concen: 5.488 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VU034469.D

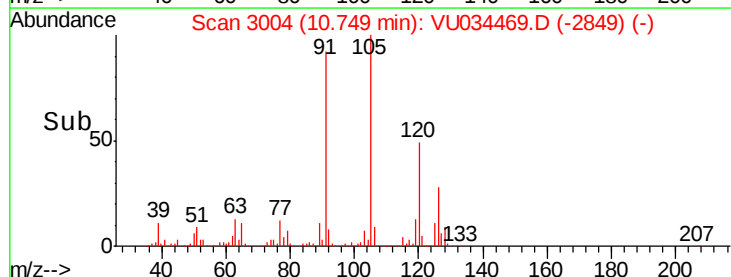
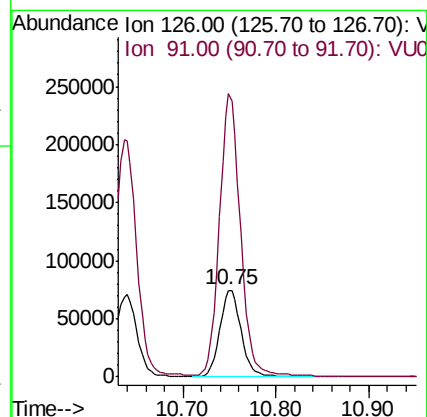
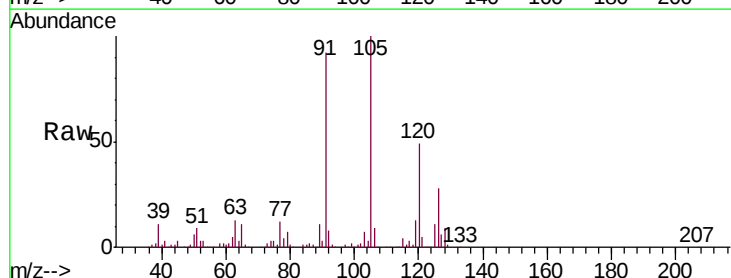
Acq: 11 Sep 2019 11:07

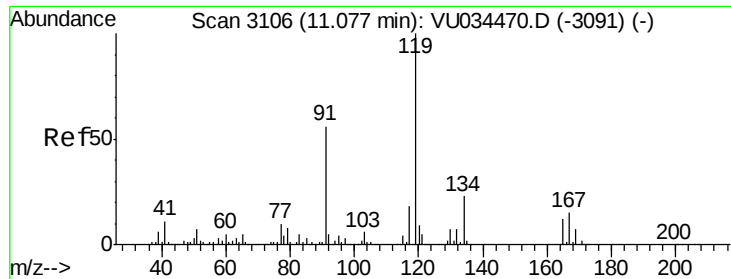
Tgt Ion:126 Resp: 119488

Ion Ratio Lower Upper

126 100

91 320.4 0.0 667.6

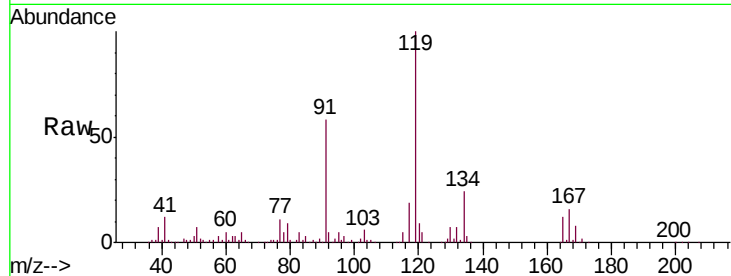




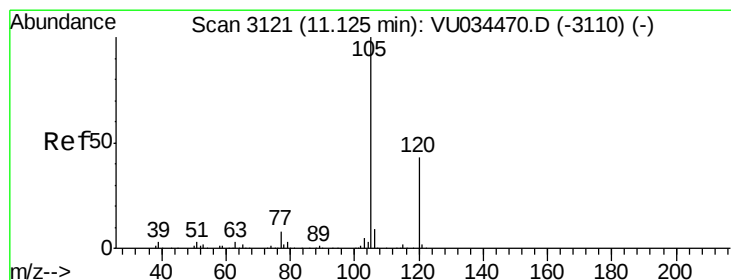
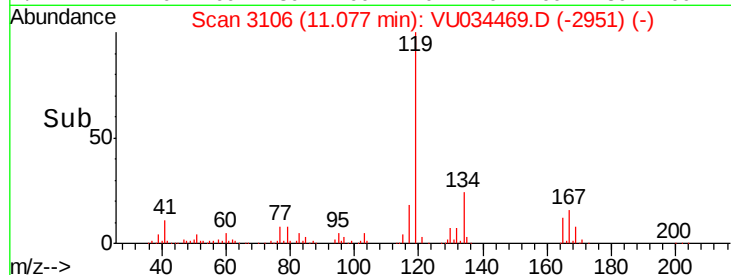
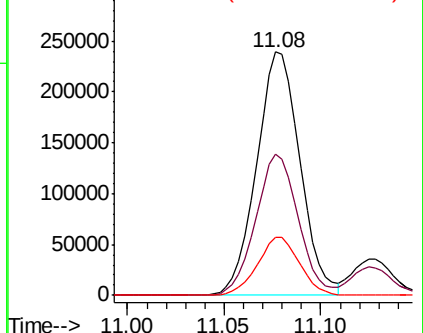
#77
 tert-Butylbenzene
 Concen: 5.384 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: VU034469.D
 Acq: 11 Sep 2019 11:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion:119 Resp: 373559
 Ion Ratio Lower Upper
 119 100
 91 56.4 27.8 83.3
 134 23.2 18.4 27.6

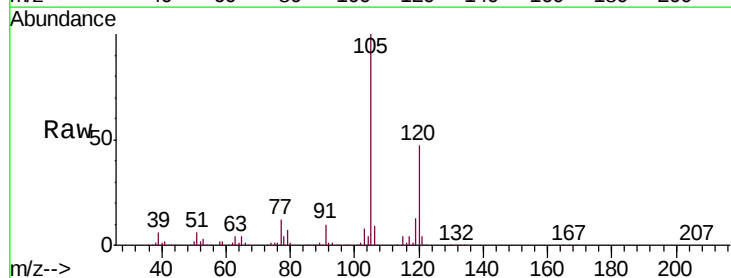


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

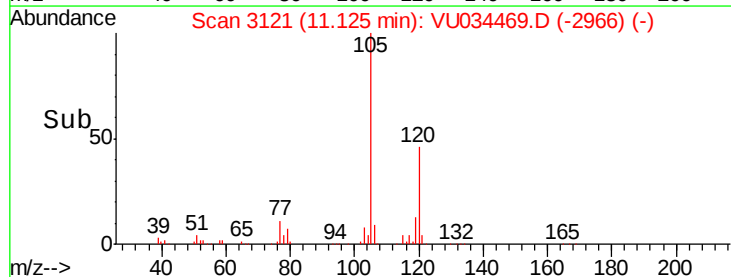
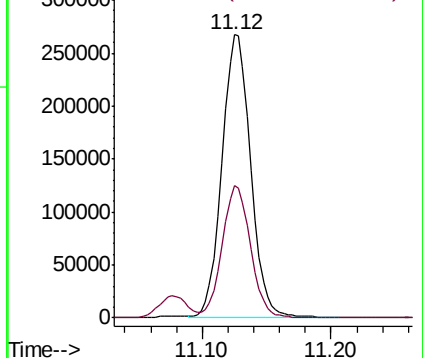


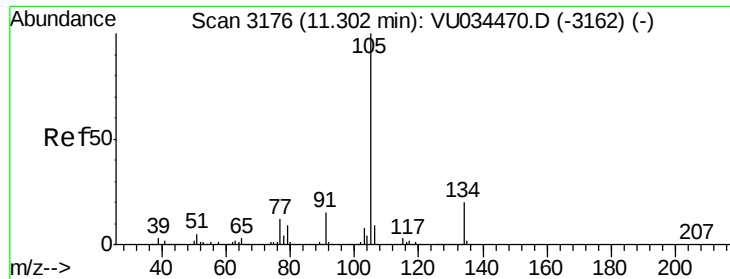
#78
 1,2,4-Trimethylbenzene
 Concen: 5.548 ug/l
 RT: 11.12 min Scan# 3121
 Delta R.T. -0.00 min
 Lab File: VU034469.D
 Acq: 11 Sep 2019 11:07

Tgt Ion:105 Resp: 410455
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 5.424 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. -0.00 min

Lab File: VU034469.D

Acq: 11 Sep 2019 11:07

Instrument :

MSVOA_U

ClientSampleId :

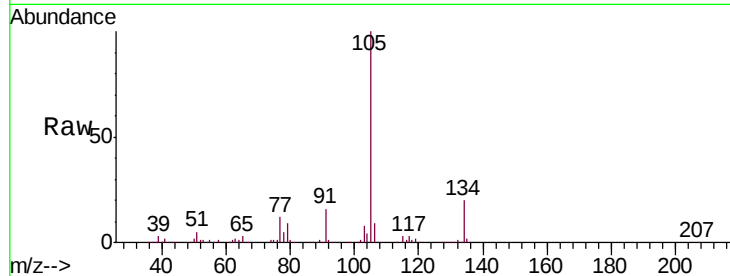
VSTDIC005

Tgt Ion:105 Resp: 513047

Ion Ratio Lower Upper

105 100

134 20.2 16.3 24.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.30

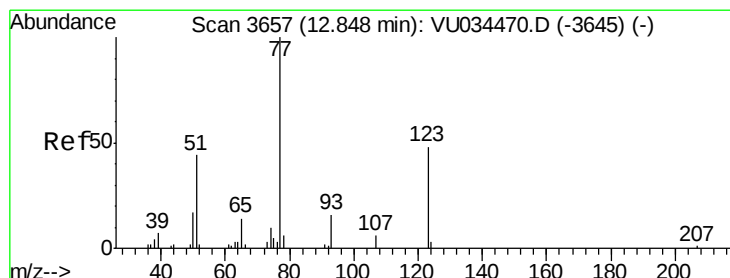
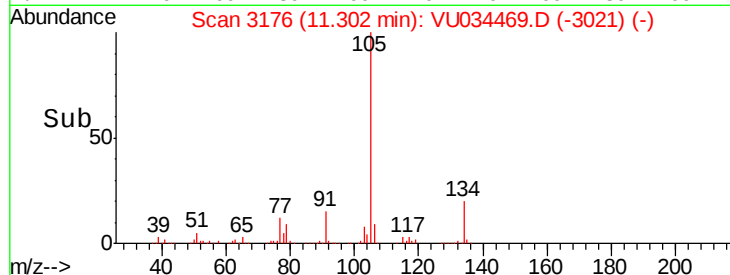
300000

200000

100000

0

Time--> 11.20 11.30 11.40



#80

Nitrobenzene

Concen: 0.306 ug/l

RT: 13.08 min Scan# 3730

Delta R.T. 0.23 min

Lab File: VU034469.D

Acq: 11 Sep 2019 11:07

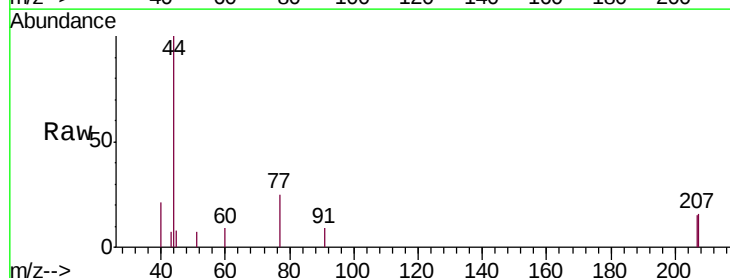
Tgt Ion: 77 Resp: 253

Ion Ratio Lower Upper

77 100

123 38.7 19.0 67.4

65 8.7 8.5 10.9



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

500

400

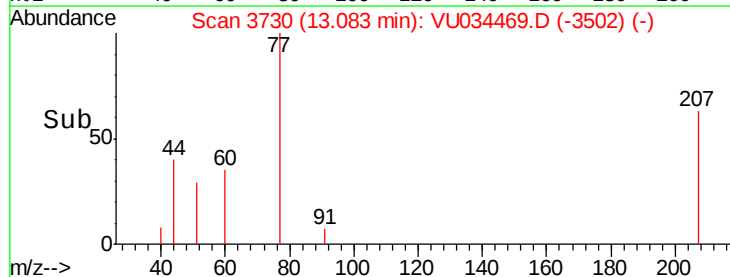
300

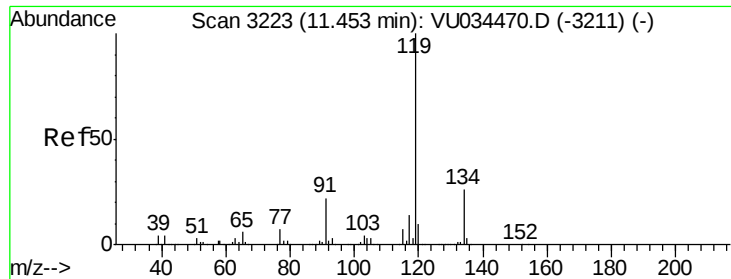
200

100

0

Time--> 13.06 13.08 13.10

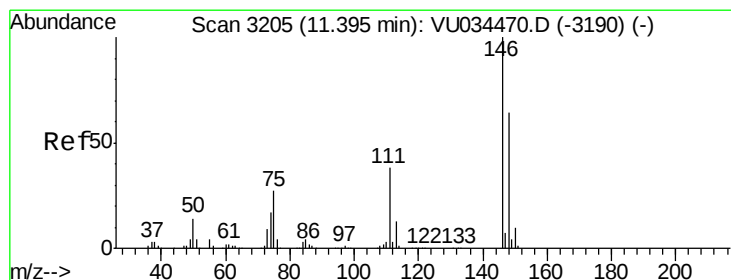
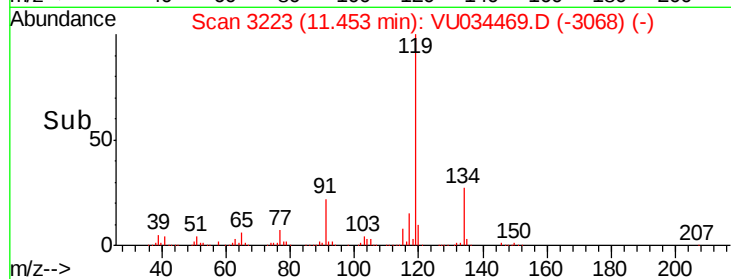
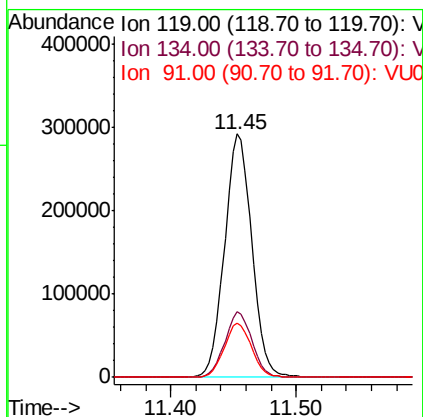
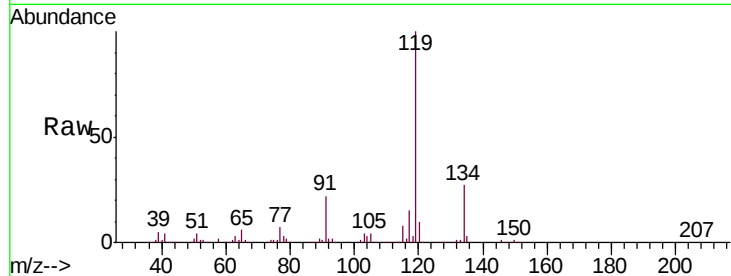




#81
p-Isopropyltoluene
Concen: 5.653 ug/l
RT: 11.45 min Scan# 3223
Delta R.T. -0.00 min
Lab File: VU034469.D
Acq: 11 Sep 2019 11:07

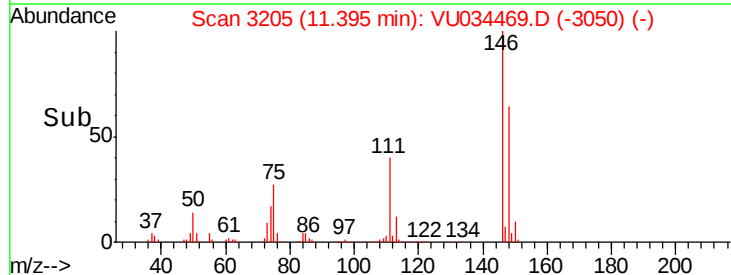
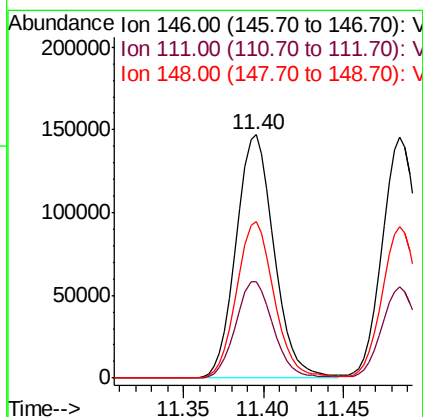
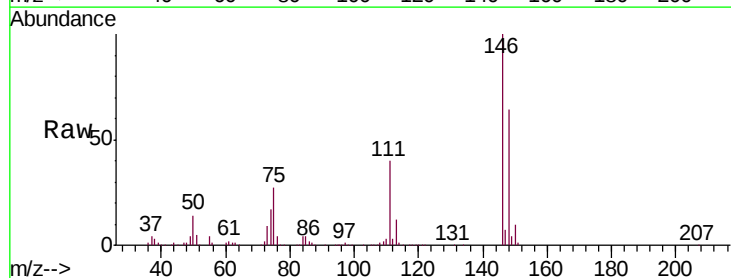
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

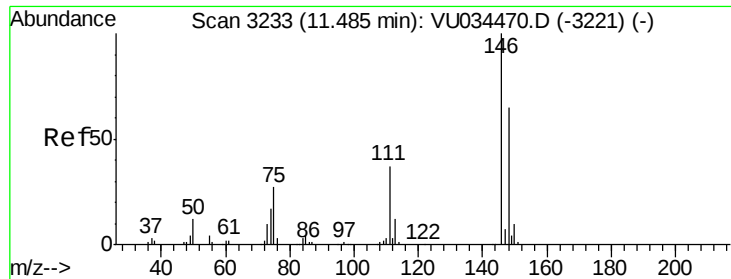
Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	21.2	31.8
91	22.2	17.6	26.4



#82
1,3-Dichlorobenzene
Concen: 5.227 ug/l
RT: 11.40 min Scan# 3205
Delta R.T. -0.00 min
Lab File: VU034469.D
Acq: 11 Sep 2019 11:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	31.0	46.6
148	63.9	51.5	77.3

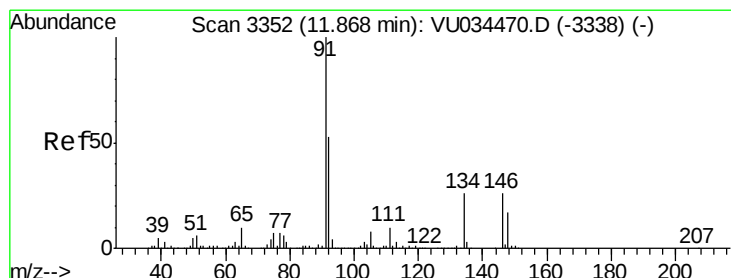
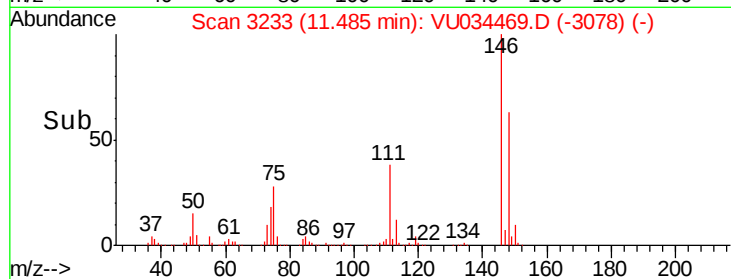
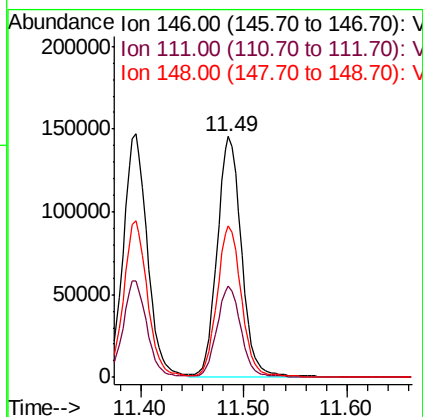
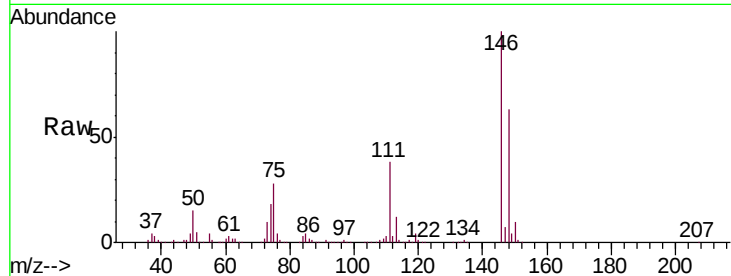




#83
 1,4-Dichlorobenzene
 Concen: 5.292 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034469.D
 Acq: 11 Sep 2019 11:07

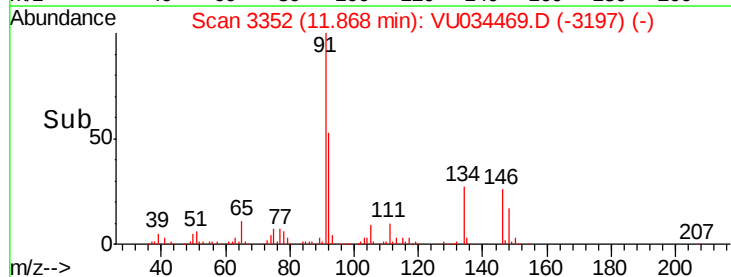
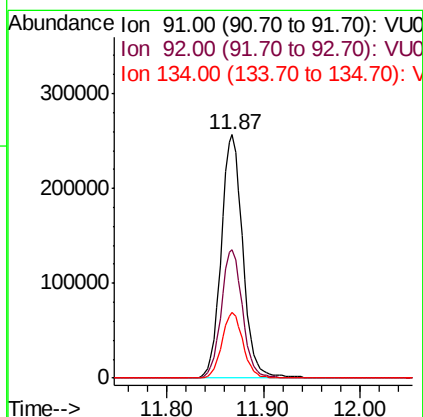
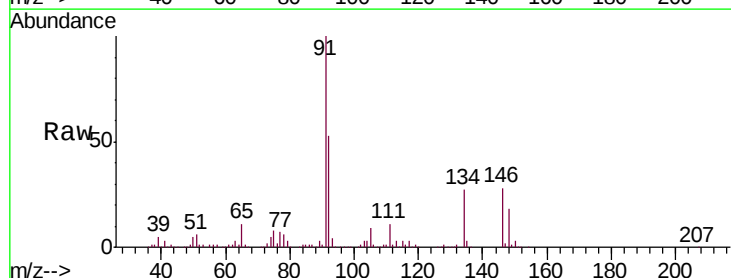
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

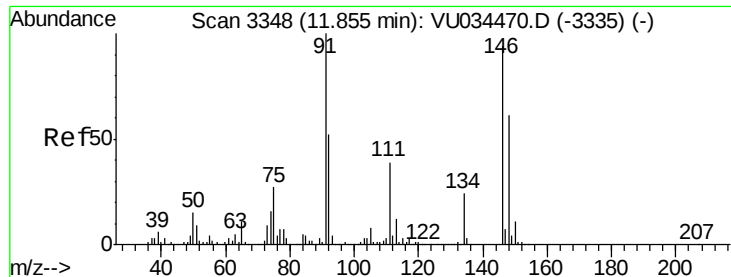
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	29.5	44.3
148	63.1	51.0	76.4



#84
 n-Butylbenzene
 Concen: 5.083 ug/l
 RT: 11.87 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VU034469.D
 Acq: 11 Sep 2019 11:07

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.5	42.4	63.6
134	26.6	21.0	31.4

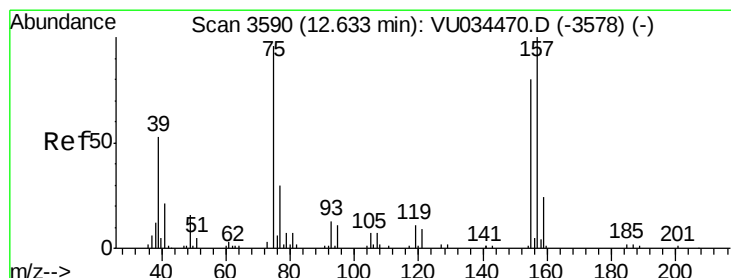
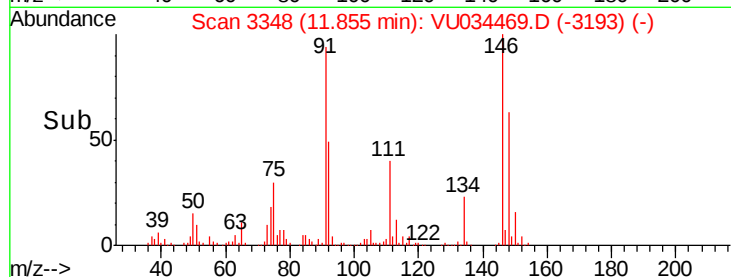
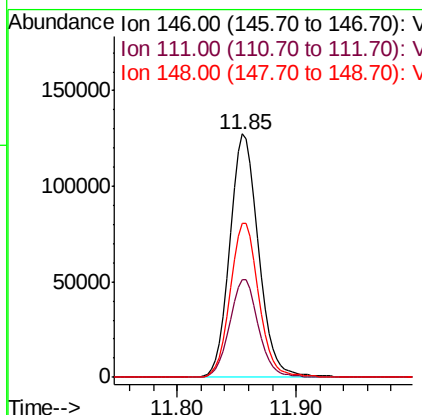
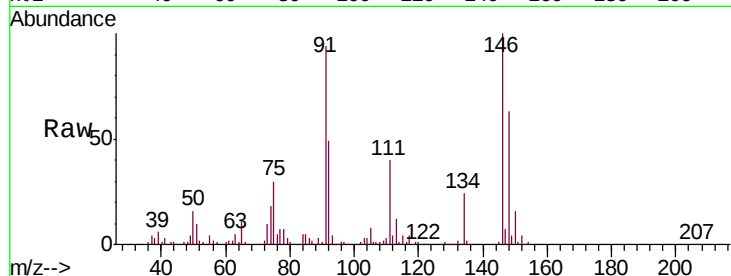




#85
 1,2-Dichlorobenzene
 Concen: 5.046 ug/l
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034469.D
 Acq: 11 Sep 2019 11:07

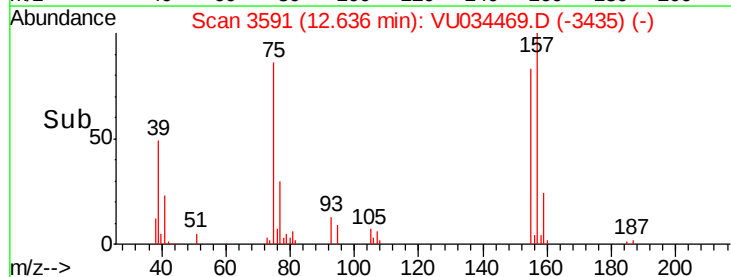
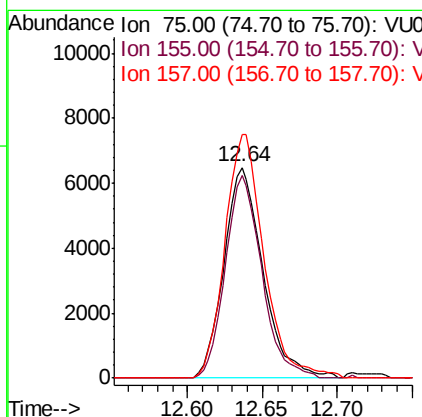
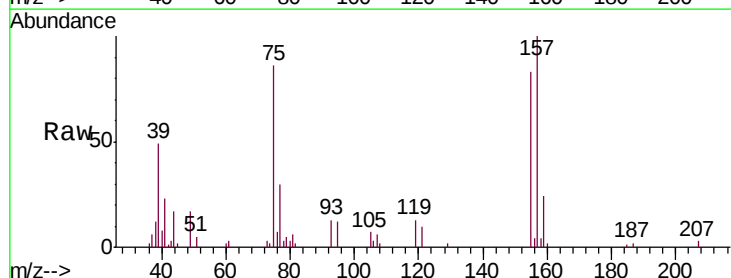
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

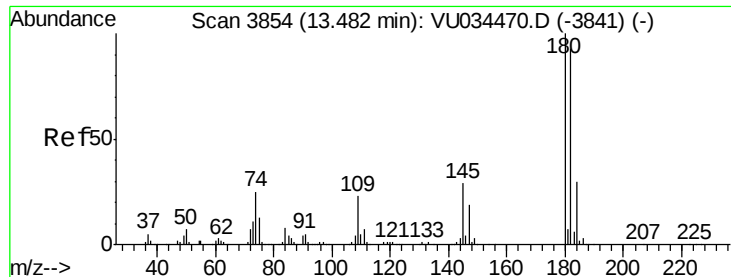
Tgt Ion: 146 Resp: 213768
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.3 60.8
 148 63.4 32.2 96.6



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 3.726 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VU034469.D
 Acq: 11 Sep 2019 11:07

Tgt Ion: 75 Resp: 11821
 Ion Ratio Lower Upper
 75 100
 155 89.7 68.9 103.3
 157 115.4 89.9 134.9

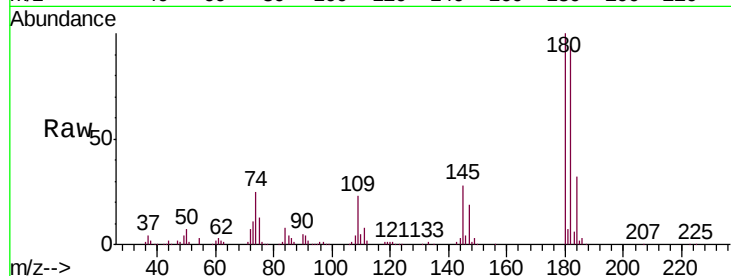




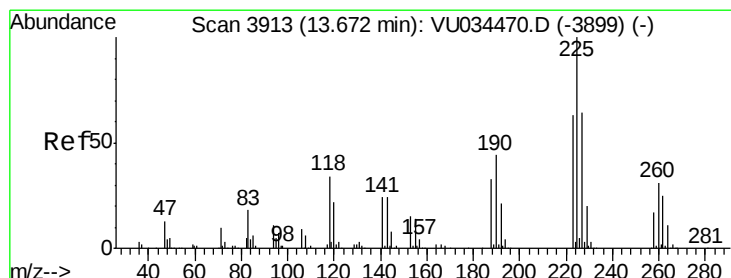
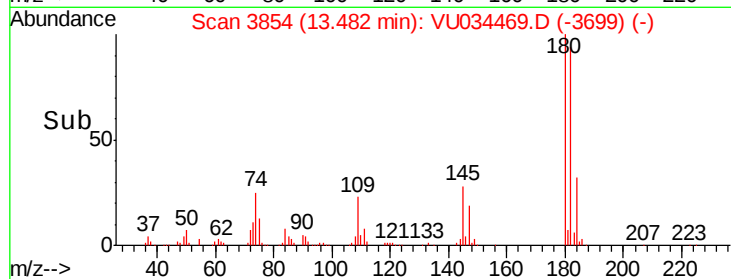
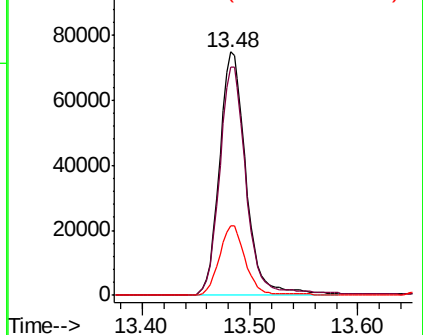
#87
 1,2,4-Trichlorobenzene
 Concen: 5.061 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034469.D
 Acq: 11 Sep 2019 11:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion:180 Resp: 127807
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.6 114.8
 145 27.8 23.0 34.6

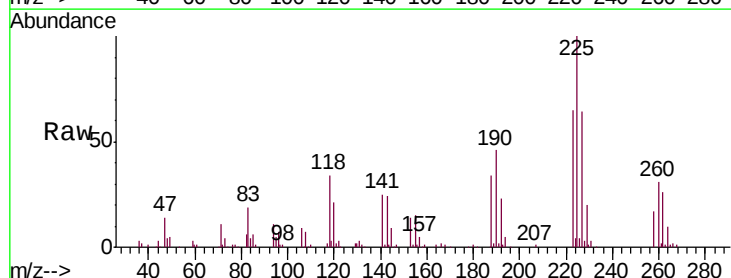


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

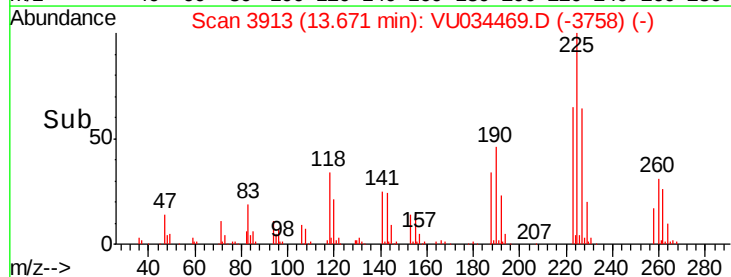
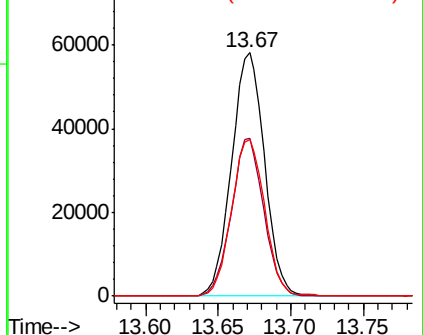


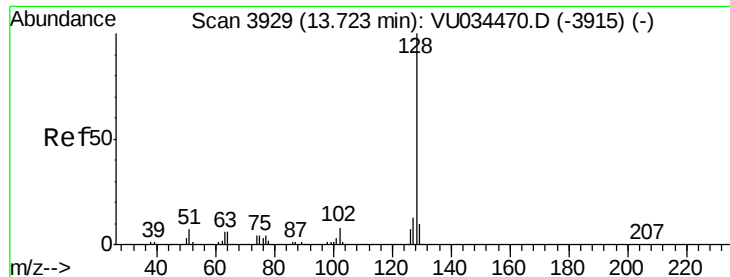
#88
 Hexachlorobutadiene
 Concen: 5.682 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034469.D
 Acq: 11 Sep 2019 11:07

Tgt Ion:225 Resp: 91802
 Ion Ratio Lower Upper
 225 100
 223 63.2 50.3 75.5
 227 64.6 51.1 76.7



Abundance Ion 224.60 (224.30 to 225.30): V
 Ion 222.60 (222.30 to 223.30): V
 Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 3.959 ug/l

RT: 13.72 min Scan# 3929

Delta R.T. -0.00 min

Lab File: VU034469.D

Acq: 11 Sep 2019 11:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

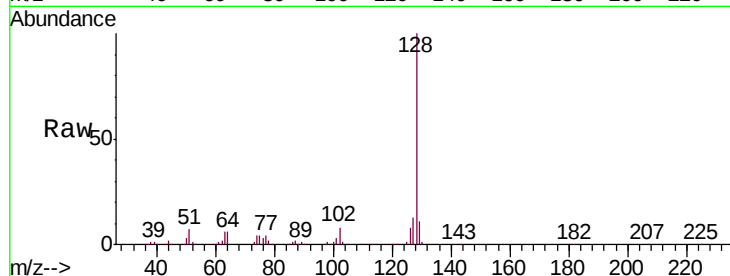
Tgt Ion:128 Resp: 164449

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

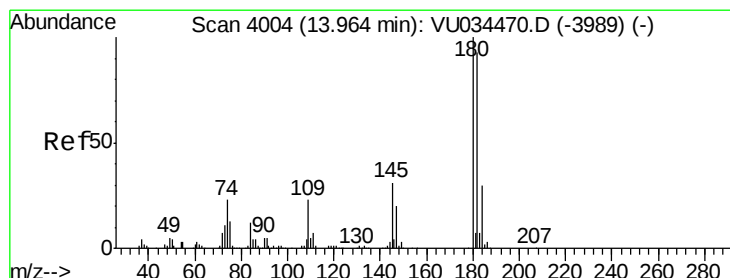
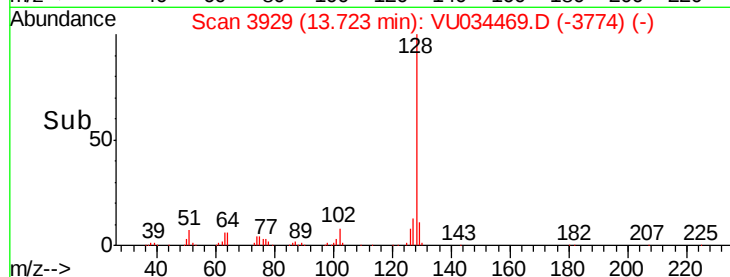
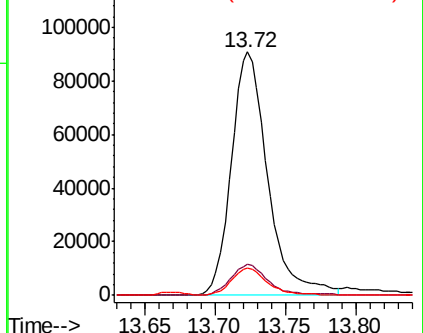
129 10.4 8.0 12.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#90

1,2,3-Trichlorobenzene

Concen: 4.873 ug/l

RT: 13.97 min Scan# 4005

Delta R.T. 0.00 min

Lab File: VU034469.D

Acq: 11 Sep 2019 11:07

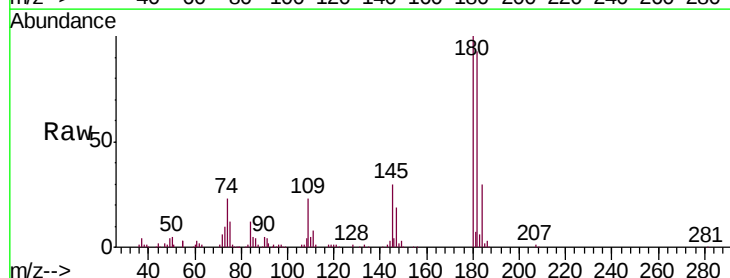
Tgt Ion:180 Resp: 118751

Ion Ratio Lower Upper

180 100

182 96.0 75.4 113.2

145 30.6 24.5 36.7



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

